

Telecom Statistics India-2020



Statistics Unit

**Department of Telecommunications
Ministry of Communications
Government of India
New Delhi**

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ABBREVIATIONS

ARPU	-Average Revenue Per User
BSNL	-Bharat Sanchar Nigam Limited
BTS	-Base Transceiver Station
CDMA	-Code Division for Mobile Access
DGCI&S	-Directorate General of Commercial Intelligence and Statistics
DoT	-Department of Telecommunications
GSM	-Global System for Mobile Communications
GVA	-Gross Value Added
ILD	-International Long Distance
INSAT-MSS	-Indian National Satellite-Mobile Satellite System
IP-II	-Infrastructure Provider-II
IPLC	-International Private Leased Circuits
ISP	-Internet Service Provider
ISP-IT	-Internet Service Provider-Indian Telecommunications
MoU	-Minutes of Use
MTNL	-Mahanagar Telephone Nigam Limited
NE	-North East
NLD	- National Long Distance
PCO	-Public Call Office
PMRTS	-Public Mobile Radio Trunked Service
PSUs	-Public Sector Undertakings
TRAI	-Telecom Regulatory Authority of India
VPT	-Village Public Telephone
VSAT	-Very Small Aperture Terminal
UL	-Unified License
UASL	-Unified Access Service Licence
WLL	-Wireless in Local Loop

Telecom at a Glance

S.No.	Title	At the end of March					
		2015	2016	2017	2018	2019	2020
1	Telephones and teledensity in the country						
	i)Telephones (In Million)	996.13	1059.33	1194.99	1211.80	1183.41	1176.79
	ii)Teledensity (Per 100 Inhabitants)	79.36	83.40	93.01	93.27	90.10	88.66
2	No. of Subscribers (In Million)						
	i)Landline	26.59	25.22	24.40	22.81	21.70	19.13
	ii)Mobile subscribers	969.54	1034.11	1170.59	1188.99	1161.71	1157.67
3	Telephone Subscribers in India (In Million)	996.13	1059.33	1194.99	1211.80	1183.41	1176.79
	i)Rural	416.08	447.77	501.81	525.87	514.27	521.26
	ii)Urban	580.05	611.56	693.18	685.93	669.14	655.54
	iii)Public	100.34	108.65	122.18	131.66	133.51	134.97
	iv)Private	895.79	950.68	1072.81	1080.14	1049.90	1041.82
4	Telephone Subscribers in India (%age share)						
	Wireline	2.67	2.38	2.04	1.88	1.83	1.63
	Wireless	97.33	97.62	97.96	98.12	98.17	98.37
	Rural	41.77	42.27	41.99	43.40	43.46	44.29
	Urban	58.23	57.73	58.01	56.60	56.54	55.71
	Public	10.07	10.26	10.22	10.86	11.28	11.47
	Private	89.93	89.74	89.78	89.14	88.72	88.53
5	Teledensity (Per 100 Inhabitants)	79.36	83.40	93.01	93.27	90.10	88.66
	Wireline	2.12	1.99	1.90	1.76	1.65	1.44
	Wireless	77.24	81.41	91.11	91.51	88.45	87.22
	Rural	48.04	51.26	56.98	59.25	57.50	57.87
	Urban	149.04	154.18	171.52	166.64	159.66	153.68
	Public	7.99	8.55	9.51	10.13	10.16	10.17
	Private	71.36	74.85	83.50	83.14	79.94	78.49
6	No. of PCOs and VPTs in India (In lakh)						
	PCO	7.37	5.89	4.52	3.60	2.55	1.73
	VPT	5.86	5.87	2.30	1.99	1.30	0.68

Telecom at a Glance (Contd.)

S.No.	Title	At the end of March					
		2015	2016	2017	2018	2019	2020
7	No. of Mobile connections (MTNL)						
	Ported-in	25784	24627	17730	8702	10195	7672
	Delhi	9552	11509	8067	2185	3170	2130
	Mumbai	16232	13118	9663	6517	7025	5542
	Ported-out	75464	79007	97091	181160	135104	87844
	Delhi	39387	39868	59402	119059	76351	34836
	Mumbai	36077	39139	37689	62101	58753	53008
8	No. of Mobile connections (BSNL)						
	Ported-in	1383043	2951000	3318327	1480813	2787699	1238954
	Ported-out	1762282	1835383	3290360	889936	520531	920375
9	Internet Subscribers in India (In Million)	302.36	342.65	422.20	493.96	636.73	743.19
	Narrowband	203.15	192.90	145.68	81.35	73.42	55.75
	Broadband	99.20	149.75	276.52	412.60	563.31	687.44
	Wired	19.07	20.44	21.58	21.24	21.68	22.42
	Wireless	283.29	322.21	400.62	472.72	615.05	720.77
	Urban	194.80	230.71	285.68	348.13	409.72	457.22
	Rural	107.56	111.94	136.52	145.83	227.01	285.97
10	Internet Subscribers in India (Per 100 Inhabitants)	24.09	26.98	32.86	38.02	48.48	55.12
	Urban	49.07	58.28	70.83	84.74	97.94	99.12
	Rural	12.89	12.80	15.49	16.41	25.36	32.24
11	Revenue from Telecom Services (₹ crore)						
	Telecom Sector						
	Gross Revenue \$	2,60,601.00	2,79,591.00	2,55,655.00	2,37,417.00	2,43,705.00	-
	Adjusted Gross Revenue \$	1,84,636.00	1,98,207.00	1,60,814.00	1,44,446.00	1,53,272.00	-
	Wireless Data Revenue \$	31,120.00	35,079.00	38,882.00	54,671.00	59,334.00	-
	Access Services-ARPU per month #	121.81	126.91	89.34	71.62	72.49	97.64
	Licence Fee	12,358.00	15,771.00	15,615.00	13,262.00	11,134.00	39,648.00
	Spectrum Usage Charges	7,051.00	7,622.00	7,048.00	4,984.00	4,028.00	11,386.00
	Spectrum Auction Related Proceeds	10,791.00	28,243.00	46,653.00	11,860.00	24,894.00	24,947.00
	APRU (₹/Subscriber/month)						
	GSM	120.68	124.85	82.68	76.04	71.39	91.49
	CDMA	108.21	103.54	131.34	79.32		
12	Telecom Usage Parameters						
	Traffic (MOU) (minutes of use/subscriber/month) #						
	GSM	383	381	405	584	692	750
	CDMA	265	260	250	60		
	Wireless Data Usage per subscriber per month \$	0.41	1.14	4.11	7.60	9.85	11 #
	Minutes of usages for internet Telephony (Million) #	245.00	277.00	258.00	258.00	197.00	181.34
	Wireless data usage (in million GB per year)\$	1375	4642	20092	46404	76319	23403 #

Telecom at a Glance (Concl'd.)

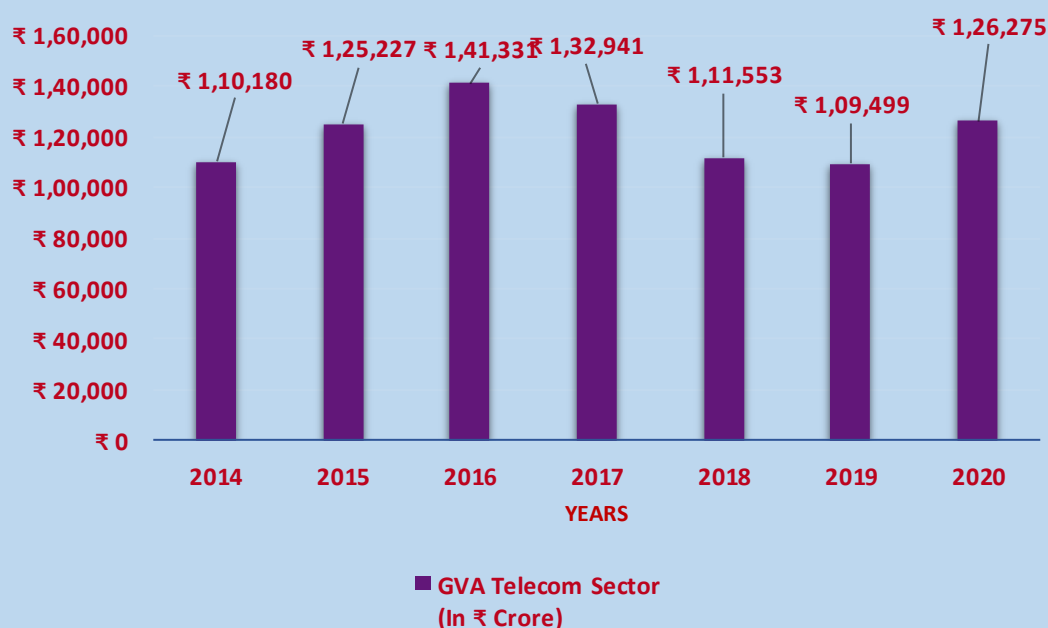
S.No.	Title	At the end of March					
		2015	2016	2017	2018	2019	2020
13	FDI EQUITY INFLOWS (US\$ In Million)	30,931	40,001	43,478	44,857	44,366	49,977
	Telecommunication Sector	2,895	1,324	5,564	6,212	2,668	4,445
	Share of Telecommunication Sector	9.36%	3.31%	12.80%	13.85%	6.01%	8.89%
14	GVA (In Crore) (At constant price) (As per NAS)	₹ 97,12,133	₹ 104,91,870	₹ 113,28,285	₹ 120,34,171	₹ 127,44,203	₹ 132,71,471
	GVA Telecom Sector	₹ 1,25,227	₹ 1,41,331	₹ 1,32,941	₹ 1,11,553	₹ 1,09,499	₹ 1,26,275
	Share of Telecom Sector	1.29	1.35	1.17	0.93	0.86	0.95
15	Number of Mobile Towers	NA	NA	443054	464661	537136	595667
16	No. of Base Transceiver Stations(BTS)	869886	1154156	1435853	1737027	2108559	2192943
	Operator-wise performance						
17	Telecom Subscribers in India (In Million)	996.13	1059.33	1194.99	1211.80	1183.41	1176.79
	PSU	100.34	108.65	122.18	131.66	133.51	134.97
	BSNL	93.24	101.58	115.09	124.75	126.81	128.52
	MTNL	7.10	7.06	7.09	6.90	6.70	6.45
	Private	895.79	950.68	1072.81	1080.14	1049.90	1041.82
18	Operator-wise subscriber percent Share in Total (All Operators)						
	PSU	10.07	10.26	10.22	10.86	11.28	11.47
	BSNL	9.36	9.59	9.63	10.29	10.72	10.92
	MTNL	0.71	0.67	0.59	0.57	0.57	0.55
	Private	89.93	89.74	89.78	89.14	88.72	88.53
Source: DoT, TRAI, ITU, TSPs, MOSPI # March Qtr. Ending * Entire Bid amount was received upfront \$ Calendar Year							

**Table - Share of Telecom in GVA
(At constant price) (In ₹ Crore)**

Year ending	Total GVA (In ₹ Crore)	GVA Telecom Sector (In ₹ Crore)	Share of Telecom Sector (%)
2012	₹ 81,06,946	₹ 91,346	1.13
2013	₹ 85,46,275	₹ 97,541	1.14
2014	₹ 90,63,649	₹ 1,10,180	1.22
2015	₹ 97,12,133	₹ 1,25,227	1.29
2016	₹ 104,91,870	₹ 1,41,331	1.35
2017	₹ 113,28,285	₹ 1,32,941	1.17
2018	₹ 120,34,171	₹ 1,11,553	0.93
2019	₹ 127,44,203	₹ 1,09,499	0.86
2020	₹ 132,71,471	₹ 1,26,275	0.95

Source - MoSPI-National Accounts Statistics (NAS)-2021

**Fig - Telecom in GVA
(At Constant Prices)**



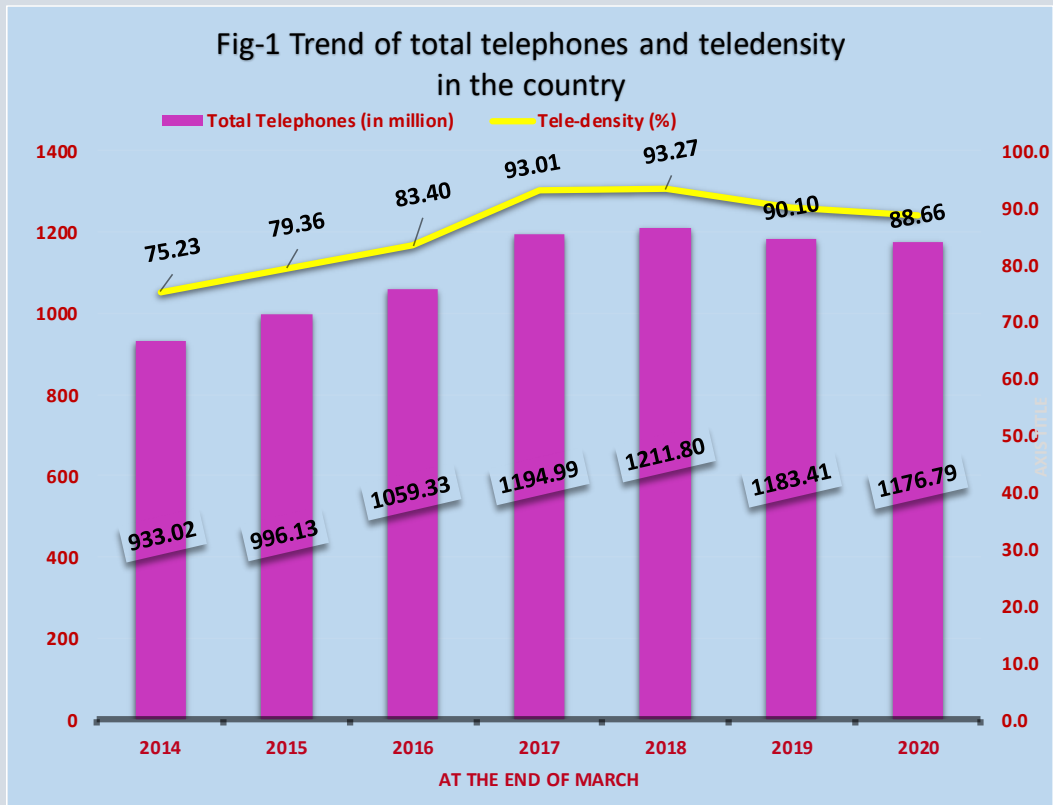
I – Telecom Subscriber Statistics

*(The geographical areas covered under telecom 'service areas' are given at **Annexure-I**)*

Table 1 - Trend of total telephones and teledensity in the country (2001 to 2020)

At the end of March	Total Telephones (in million)	Tele-density (%)
2001	36.28	3.58
2002	44.97	4.29
2003	54.61	5.11
2004	76.54	7.02
2005	98.37	8.95
2006	142.09	12.74
2007	205.87	18.22
2008	300.49	26.22
2009	429.72	36.98
2010	621.28	52.73
2011	846.33	70.89
2012	951.35	78.66
2013	898.02	73.32
2014	933.02	75.23
2015	996.13	79.36
2016	1059.33	83.40
2017	1194.99	93.01
2018	1211.80	93.27
2019	1183.41	90.10
2020	1176.79	88.66

Source - DOT



**Table 2 - Number of landline and mobile subscribers
(2001 to 2020)**

At the end of March	No. of Mobile phone subscribers (in Million)	No. of landline subscribers (in Million)
2001	3.58	32.70
2002	6.68	38.29
2003	13.29	41.32
2004	35.62	40.92
2005	56.95	41.42
2006	101.87	40.22
2007	165.09	40.77
2008	261.08	39.41
2009	391.76	37.96
2010	584.32	36.96
2011	811.6	34.73
2012	919.18	32.17
2013	867.81	30.21
2014	904.52	28.50
2015	969.54	26.59
2016	1034.11	25.22
2017	1170.59	24.40
2018	1188.99	22.81
2019	1161.71	21.70
2020	1157.67	19.13

Source - DOT

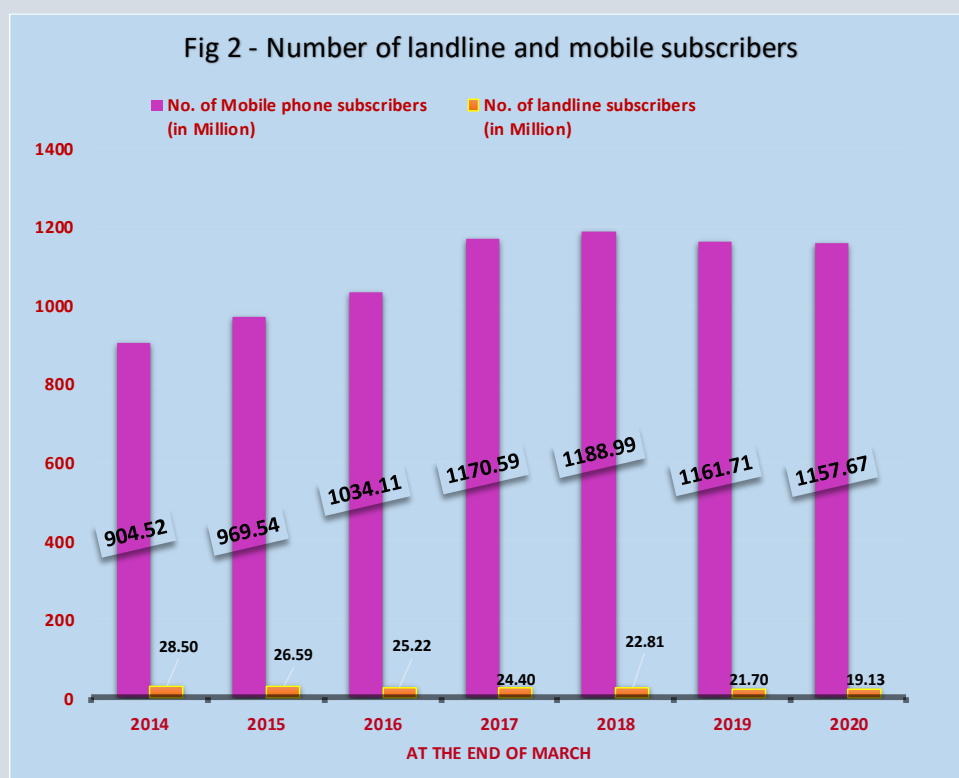


Table 3 - Rural, Urban, Public and Private Telephone Subscribers in India (In Million) (2006-2020)

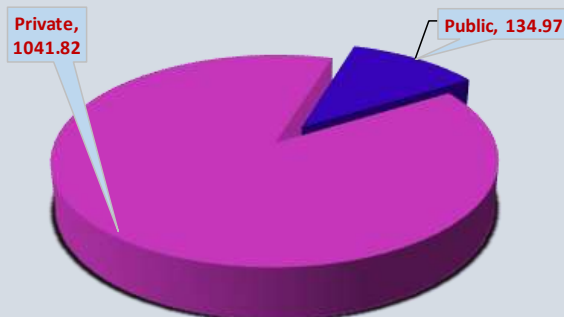
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	142.09	40.22	101.87	18.54	123.55	61.08	81.01
2007	205.85	40.77	165.08	47.10	158.76	71.39	134.47
2008	300.49	39.41	261.08	76.50	223.99	79.55	220.94
2009	429.73	37.96	391.76	123.51	306.21	89.55	340.18
2010	621.28	36.96	584.32	200.77	420.51	105.87	515.41
2011	846.33	34.73	811.60	282.29	564.04	126.00	720.33
2012	951.35	32.17	919.17	330.83	620.52	130.27	821.08
2013	898.02	30.21	867.81	349.21	548.80	130.11	767.91
2014	933.02	28.50	904.52	377.78	555.23	120.05	812.96
2015	996.13	26.59	969.54	416.08	580.05	100.34	895.79
2016	1059.33	25.22	1034.11	447.77	611.56	108.65	950.68
2017	1194.99	24.40	1170.59	501.81	693.18	122.18	1072.81
2018	1211.80	22.81	1188.99	525.87	685.93	131.66	1080.14
2019	1183.41	21.70	1161.71	514.27	669.14	133.51	1049.90
2020	1176.79	19.13	1157.67	521.26	655.54	134.97	1041.82

Source- DOT

Fig 3A - Composition of subscribers - Rural & Urban, At the end of March, 2020 (In Million)



Fig 3B - Composition of subscribers - Public & Private Operators, At the end of March, 2020 (In Million)



**Table 4 - Telephone Subscribers in India
(Percent Share) (2006-2020)**

At the end of March	Wireline	Wireless	Rural	Urban	Public	Private
2006	28.31	71.69	13.05	86.95	42.99	57.01
2007	19.81	80.19	22.88	77.12	34.68	65.32
2008	13.12	86.88	25.46	74.54	26.47	73.53
2009	8.83	91.17	28.74	71.26	20.84	79.16
2010	5.95	94.05	32.32	67.68	17.04	82.96
2011	4.10	95.90	33.35	66.65	14.89	85.11
2012	3.38	96.62	34.77	65.23	13.69	86.31
2013	3.36	96.64	38.89	61.11	14.49	85.51
2014	3.05	96.95	40.49	59.51	12.87	87.13
2015	2.67	97.33	41.77	58.23	10.07	89.93
2016	2.38	97.62	42.27	57.73	10.26	89.74
2017	2.04	97.96	41.99	58.01	10.22	89.78
2018	1.88	98.12	43.40	56.60	10.86	89.14
2019	1.83	98.17	43.46	56.54	11.28	88.72
2020	1.63	98.37	44.29	55.71	11.47	88.53

Source- DOT

**Fig 4A - Composition of subscribers - Rural & Urban,
At the end of March, 2020 (% Share)**



**Fig 4B - Composition of subscribers - Public & Private
Operators, At the end of March, 2020 (% Share)**

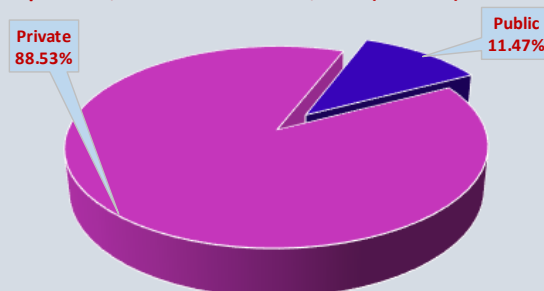


Table 5 - Teledensity (No. of Subscribers Per 100 Inhabitants) (2006-2020)

At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	12.74	3.61	9.13	2.34	38.28	5.48	7.26
2007	18.22	3.61	14.61	5.89	48.10	6.32	11.90
2008	26.22	3.44	22.78	9.46	66.39	6.94	19.28
2009	36.98	3.27	33.71	15.11	88.84	7.71	29.27
2010	52.74	3.14	49.60	24.31	119.45	8.99	43.75
2011	70.89	2.91	67.98	33.83	156.93	10.55	60.34
2012	78.66	2.66	76.00	39.26	169.17	10.77	67.89
2013	73.32	2.47	70.85	41.05	146.64	10.62	62.69
2014	75.23	2.30	72.94	44.01	145.46	9.68	65.55
2015	79.36	2.12	77.24	48.04	149.04	7.99	71.36
2016	83.40	1.99	81.41	51.26	154.18	8.55	74.85
2017	93.01	1.90	91.11	56.98	171.52	9.51	83.50
2018	93.27	1.76	91.51	59.25	166.64	10.13	83.14
2019	90.10	1.65	88.45	57.50	159.66	10.16	79.94
2020	88.66	1.44	87.22	57.87	153.68	10.17	78.49

Source- DOT

Fig 5 - Teledensity (Per 100 Inhabitants) (2014-2020)

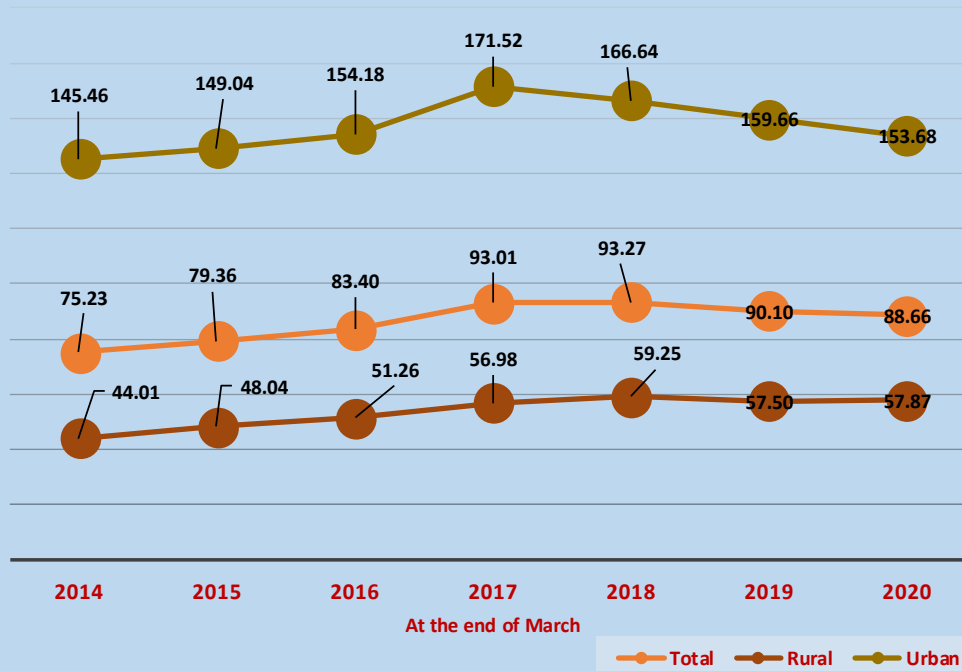


Table 6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (In Lakh) (2000-2020)

March Ending	Public Call Offices (PCOs)	Village Public Telephones (VPTs)
2000	6.50	4.10
2001	8.60	3.70
2002	10.80	4.70
2003	14.90	5.10
2004	19.20	5.20
2005	27.70	5.30
2006	42.00	5.50
2007	55.50	5.64
2008	61.90	5.60
2009	62.00	5.61
2010	45.90	5.76
2011	33.30	5.85
2012	20.10	5.84
2013	12.60	5.90
2014	9.57	5.89
2015	7.37	5.86
2016	5.89	5.87
2017	4.52	2.30
2018	3.60	1.99
2019	2.55	1.30
2020	1.73	0.68

Source - Telecom Regulatory Authority of India (TRAI)

Fig 6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (2008-2020)

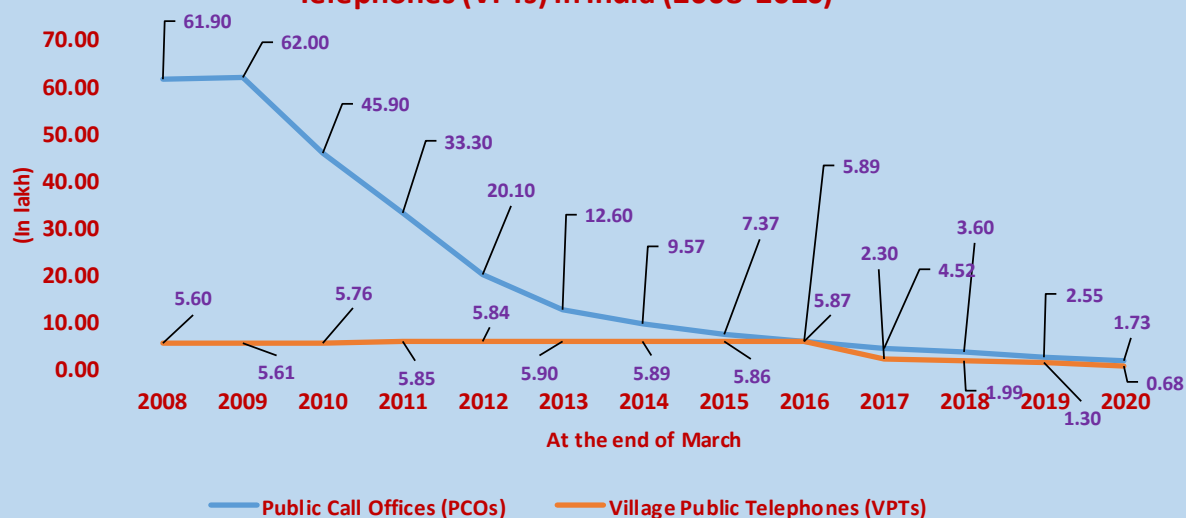


Table 7 -Number of mobile connections Ported-in and Ported-out of MTNL

Period	Ported in			Ported out			Ratio of Port out to Port in		
	Delhi	Mumbai	Total	Delhi	Mumbai	Total	Delhi	Mumbai	Total
20.01.11 - 31.03.11	5593	2125	7718	17022	17676	34698	3.04	8.32	4.50
2011-12	14347	5376	19723	41280	40111	81391	2.88	7.46	4.13
2012-13	14826	7836	22662	44986	29672	74658	3.03	3.79	3.29
2013-14	9286	6880	16166	43721	33252	76973	4.71	4.83	4.76
2014-15	9552	16232	25784	39387	36077	75464	4.12	2.22	2.93
2015-16	11509	13118	24627	39868	39139	79007	3.46	2.98	3.21
2016-17	8067	9663	17730	59402	37689	97091	7.36	3.90	5.48
2017-18	2185	6517	8702	119059	62101	181160	54.49	9.53	20.82
2018-19	3170	7025	10195	76351	58753	135104	24.09	8.36	13.25
2019-20	2130	5542	7672	34836	53008	87844	16.35	9.56	11.45
Total	80665	80314	160979	515912	407478	923390	6.40	5.07	5.74

Source- Mahanagar Telephone Nigam Limited

Table 8 - Number of mobile connections Ported-in and Ported-out of BSNL

Calender Year	Ported in	Ported out	Ratio of Port out to Port in
2010	3286	17085	5.20
2011	1014879	1485605	1.46
2012	993098	1309549	1.32
2013	865350	1240960	1.43
2014	920343	1505343	1.64
2015	1383043	1762282	1.27
2016	2951000	1835383	0.62
2017	3318327	3290360	0.99
2018	4057763	3196845	0.79
2019	5550978	2937920	0.19
2020 (Jan.-Mar.20)	1238954	920375	0.74
Total	22297021	19501707	0.87

Source- Bharat Sanchar Nigam Limited

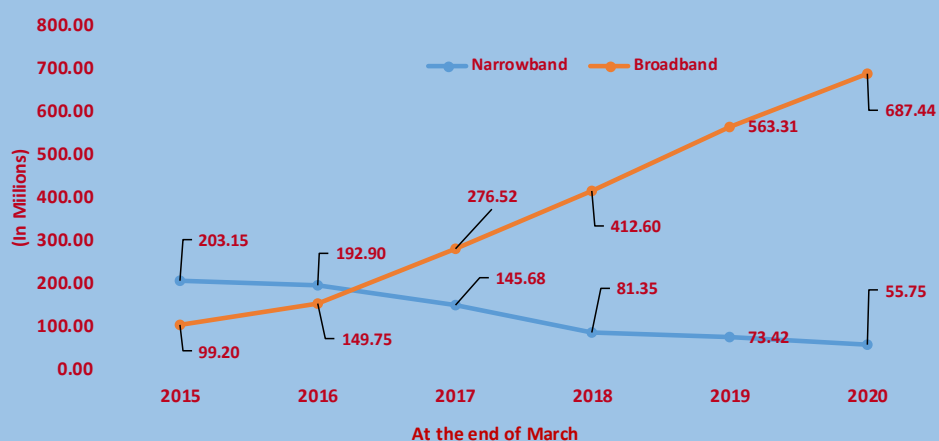
Table 9 - Internet Subscribers in India (In Million) (2007-2020)

At the end of March	Total	Narrowband	Broadband	Wired	Wireless	Urban	Rural
2007	-	-	2.34	9.27	31.30	-	-
2008	-	-	3.87	11.09	65.50	-	-
2009	-	-	6.22	13.54	117.82	-	-
2010	-	7.41	8.77	16.18	177.87	-	-
2011	-	7.79	11.89	19.68	381.40	-	-
2012	-	5.70	13.81	19.51	-	-	-
2013	-	6.56	15.05	21.61	143.20	-	-
2014	251.59	190.72	60.87	18.50	233.09	-	-
2015	302.36	203.15	99.20	19.07	283.29	194.80	107.56
2016	342.65	192.90	149.75	20.44	322.21	230.71	111.94
2017	422.20	145.68	276.52	21.58	400.62	285.68	136.52
2018	493.96	81.35	412.60	21.24	472.72	348.13	145.83
2019	636.73	73.42	563.31	21.68	615.05	409.72	227.01
2020	743.19	55.75	687.44	22.42	720.77	457.22	285.97

Source - TRAI

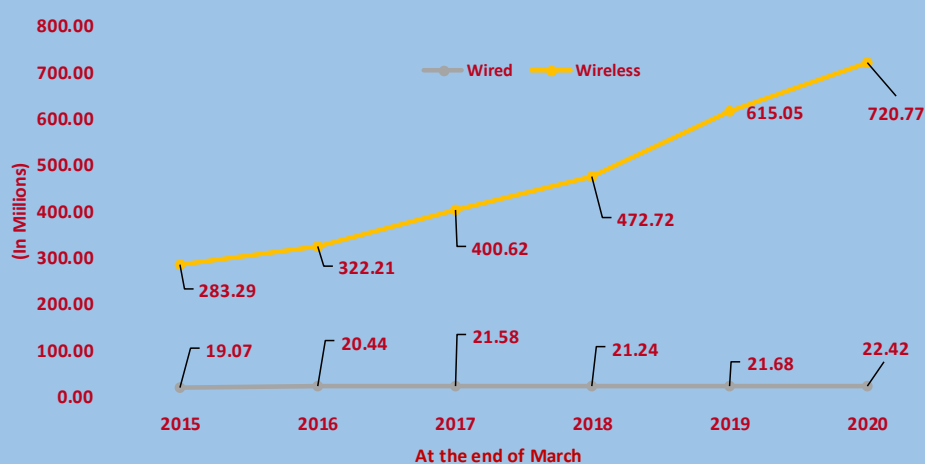
Note: - Not Available

Fig 9A - Internet Subscribers - Narrowband & Broadband (in Million)



Source: TRAI

Fig 9B - Internet Subscribers - Wired & Wireless (in Million)



Source: TRAI

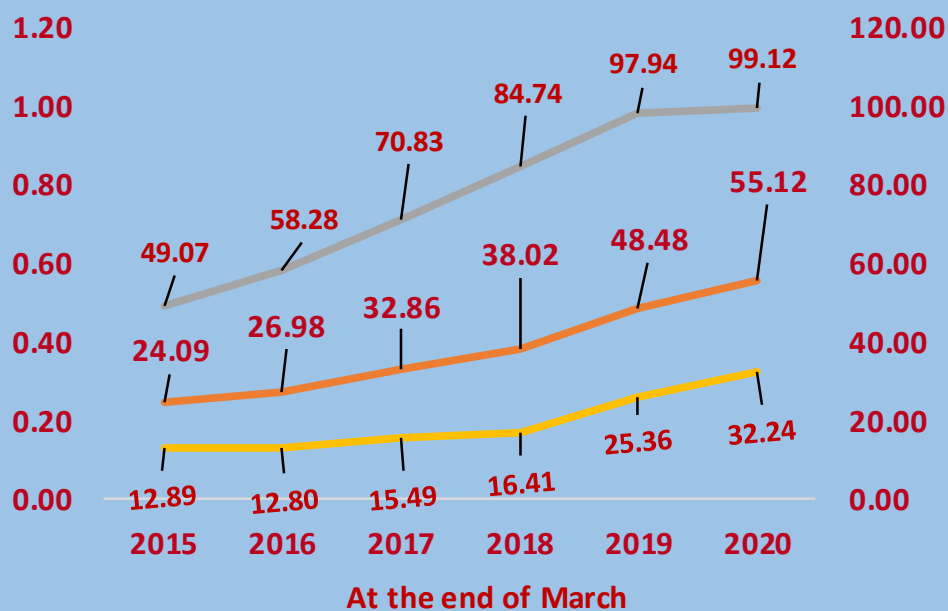
**Table 10 - Internet Density
(Internet Subscribers Per 100 Inhabitants)**

At the end of March	Total	Urban	Rural
2013	13.45	-	-
2014	20.29	-	-
2015	24.09	49.07	12.89
2016	26.98	58.28	12.80
2017	32.86	70.83	15.49
2018	38.02	84.74	16.41
2019	48.48	97.94	25.36
2020	55.12	99.12	32.24

Source - TRAI

Note: - Not Available

Fig 10 - Internet-Density



Source: TRAI

— Total — Urban — Rural

Table 11 - Total Internet Connections - Rural & Urban (In Million) (2014-2020)

At the end of March	Rural	Urban	Total
2014	-	-	251.58
2015	107.56	194.77	302.33
2016	111.95	230.71	342.66
2017	136.52	285.68	422.19
2018	145.83	348.13	493.96
2019	227.01	409.72	636.73
2020	285.97	457.22	743.19

Source: TRAI

Table 11A - Total Wireless Internet Connections - Rural & Urban (In Million) (2014-2020)

At the end of March	Rural	Urban	Total
2014	-	-	233.09
2015	105.75	177.53	283.28
2016	110.08	212.13	322.21
2017	134.57	266.04	400.62
2018	143.89	328.83	472.71
2019	225.12	389.93	615.05
2020	284.24	436.53	720.77

Source: TRAI

Table 11B - Total Broadband Connections - Rural & Urban (In Million) (2014-2020)

At the end of March	Rural	Urban	Total
2014	-	-	60.87
2015	21.32	77.87	99.19
2016	33.29	116.46	149.75
2017	71.06	205.45	276.52
2018	106.52	306.07	412.59
2019	190.03	373.28	563.31
2020	258.61	428.83	687.44

Source: TRAI

Table 11C - Total Wireless Broadband Connections - Rural & Urban (In Million) (2014-2020)

At the end of March	Rural	Urban	Total
2014	-	-	46.02
2015	20.06	63.62	83.68
2016	31.98	100.79	132.77
2017	69.68	188.59	258.27
2018	105.14	289.51	394.65
2019	188.69	356.20	544.89
2020	257.42	410.84	668.26

Source: TRAI

Table 12: Service area wise Total Internet subscriptions (In Million)

Service area	2020			2019			2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	25.51	33.14	58.65	19.94	29.34	49.29	12.83	24.78	37.61	12.10	19.71	31.80	9.13	15.74	24.87	8.14	13.96	22.10	17.63
Assam	8.31	5.93	14.24	5.68	5.85	11.53	5.04	4.77	9.81	4.25	3.82	8.07	3.22	3.54	6.76	3.25	2.23	5.48	4.11
Bihar	30.53	17.86	48.39	22.62	16.72	39.34	13.51	14.90	28.40	11.91	12.19	24.10	8.87	10.76	19.63	7.94	8.64	16.58	11.85
Delhi	0.75	40.24	40.99	0.70	35.16	35.86	0.72	30.42	31.14	0.69	26.10	26.79	0.94	19.65	20.59	1.02	17.47	18.49	15.73
Gujarat	13.67	31.64	45.31	11.44	28.75	40.18	8.26	23.16	31.43	8.26	19.04	27.30	6.05	15.05	21.10	6.46	12.99	19.45	19.15
Haryana	6.81	10.37	17.18	5.54	9.35	14.90	3.80	5.25	9.05	3.65	5.99	9.63	2.97	4.59	7.56	3.15	3.98	7.13	5.40
Himachal Pradesh	3.79	2.21	6.00	3.21	1.96	5.17	2.04	4.90	6.94	2.10	1.66	3.76	1.75	1.27	3.02	1.63	0.95	2.58	2.05
Jammu & Kashmir	3.45	4.23	7.68	2.57	4.03	6.60	1.92	3.89	5.81	1.87	2.64	4.51	1.85	1.80	3.65	1.81	1.57	3.38	2.77
Karnataka	17.01	28.82	45.83	11.93	28.47	40.39	6.69	25.45	32.14	6.37	20.50	26.87	5.54	17.09	22.63	5.31	14.74	20.05	15.49
Kerala	10.75	15.79	26.54	10.04	14.67	24.71	7.49	12.31	19.80	6.72	9.83	16.55	5.58	9.02	14.60	5.93	7.04	12.97	10.89
Kolkata	1.42	15.99	17.41	1.53	14.13	15.66	1.00	12.35	13.35	0.76	10.90	11.66	0.55	8.71	9.26	0.44	7.57	8.01	6.41
Madhya Pradesh	19.75	28.97	48.72	15.69	25.71	41.40	6.94	18.94	25.88	7.70	17.07	24.77	6.25	14.16	20.41	5.70	10.86	16.56	15.58
Maharashtra	25.16	37.85	63.01	20.21	33.26	53.47	12.79	26.66	39.45	11.75	24.20	35.94	9.75	19.72	29.47	9.19	16.39	25.58	25.60
Mumbai	1.53	28.77	30.30	1.21	25.63	26.85	0.75	21.72	22.48	0.50	19.06	19.57	0.28	15.37	15.65	0.25	14.25	14.50	14.62
North East	3.97	4.00	7.97	2.78	3.92	6.70	2.38	3.56	5.94	2.22	2.53	4.75	1.97	2.09	4.06	1.91	1.64	3.55	3.00
Orissa	12.36	6.91	19.27	9.64	6.17	15.81	5.67	6.54	12.20	4.93	5.58	10.51	3.36	4.93	8.29	3.52	3.77	7.29	5.10
Punjab	8.43	17.70	26.13	7.13	16.45	23.58	4.58	14.05	18.63	4.67	11.97	16.65	4.71	8.75	13.46	4.83	8.09	12.92	10.12
Rajasthan	20.02	22.48	42.50	15.57	20.40	35.97	9.47	16.99	26.46	8.71	12.84	21.55	7.00	10.24	17.24	7.30	8.45	15.75	12.52
Tamil Nadu	13.82	37.82	51.64	11.37	34.11	45.48	9.31	30.26	39.57	8.08	24.24	32.32	6.85	21.16	28.01	6.50	17.63	24.13	20.42
UP (East)	28.91	25.68	54.59	22.81	22.16	44.97	14.46	20.29	34.75	13.41	15.18	28.58	11.22	11.25	22.47	10.65	9.72	20.37	14.14
UP (West)	13.34	24.46	37.80	11.90	20.15	32.06	7.03	16.75	23.79	7.10	12.83	19.93	6.48	10.06	16.54	5.67	8.41	14.08	10.19
West Bengal	16.65	16.35	33.00	13.49	13.33	26.83	9.14	10.17	19.31	8.80	7.78	16.58	7.64	5.74	13.38	6.90	4.39	11.29	8.82
Total	285.94	457.21	743.15	227.01	409.72	636.73	145.82	348.12	493.95	136.52	285.68	422.19	111.95	230.71	342.66	107.56	194.77	302.33	251.58

Source: TRAI

Table 12A: Service area wise Broadband subscriptions (In Million)

Service area	2020			2019			2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	23.46	31.29	54.75	17.32	26.94	44.26	10.28	21.78	32.06	7.44	13.63	21.07	3.44	7.74	11.18	2.08	5.45	7.53	4.79
Assam	7.68	5.57	13.25	4.94	5.11	10.05	3.12	4.14	7.26	1.87	2.97	4.84	0.85	1.98	2.83	0.52	0.76	1.28	0.62
Bihar	27.29	16.65	43.94	18.56	14.57	33.14	8.36	12.16	20.52	4.37	7.66	12.03	1.95	3.87	5.82	1.2	1.95	3.15	2.1
Delhi	0.57	37.34	37.91	0.49	32.60	33.09	0.48	26.87	27.35	0.4	20.4	20.8	0.45	11.52	11.97	0.4	8.69	9.09	6.43
Gujarat	12.69	30.39	43.08	9.89	26.95	36.85	6.91	21.14	28.05	4.8	13.66	18.46	1.95	7.82	9.77	1.38	5.5	6.88	4.14
Haryana	6.36	9.84	16.20	4.88	8.58	13.46	3.25	4.75	8	2.37	4.5	6.87	0.89	2.32	3.21	0.57	1.68	2.25	1.04
Himachal Pradesh	3.60	2.05	5.65	2.90	1.73	4.63	1.62	4.64	6.26	1.28	1.08	2.36	0.73	0.46	1.19	0.45	0.29	0.74	0.42
Jammu & Kashmir	3.09	4.04	7.13	2.17	3.74	5.90	1.13	3.41	4.55	0.91	1.87	2.78	0.68	0.69	1.37	0.36	0.5	0.86	0.53
Karnataka	15.24	27.09	42.33	10.11	26.38	36.49	4.9	22.99	27.89	3.63	15.95	19.59	1.92	10.26	12.18	1.39	6.97	8.36	4.87
Kerala	10.03	14.81	24.84	8.98	13.44	22.42	6.6	11.15	17.75	4.99	7.61	12.61	2.88	5.26	8.14	2.31	3.56	5.87	3.55
Kolkata	1.35	14.77	16.12	1.37	12.63	14.00	0.87	10.54	11.41	0.6	7.66	8.26	0.3	4.1	4.4	0.21	2.67	2.88	1.86
Madhya Pradesh	17.59	27.11	44.70	12.27	23.11	35.37	4.57	16.46	21.03	2.99	12.04	15.04	1.06	6.77	7.83	0.43	4.16	4.59	2.65
Maharashtra	22.90	35.41	58.31	17.03	30.19	47.22	10.62	24.07	34.69	6.68	16.68	23.36	3.17	10.64	13.81	1.86	7.44	9.3	5.28
Mumbai	1.47	26.55	28.02	1.11	23.02	24.12	0.63	19.07	19.7	0.36	14.52	14.88	0.12	8.77	8.89	0.1	7.07	7.17	5.19
North East	3.67	3.77	7.44	2.42	3.51	5.93	1.53	3.03	4.56	1.13	1.79	2.91	0.62	0.98	1.6	0.39	0.58	0.97	0.65
Orissa	11.18	6.52	17.70	8.00	5.60	13.59	3.73	5.4	9.14	2.07	3.94	6.01	0.65	2.25	2.9	0.41	1.09	1.5	1.2
Punjab	7.83	16.77	24.60	6.31	15.35	21.67	3.54	12.85	16.39	2.64	9.12	11.76	1.12	4.06	5.18	0.62	2.78	3.4	1.55
Rajasthan	18.35	21.15	39.50	13.18	18.61	31.79	6.61	14.46	21.07	4.25	8.48	12.72	1.85	3.87	5.72	1.42	2.63	4.05	2.28
Tamil Nadu	12.27	35.24	47.51	9.75	31.20	40.95	7.37	26.05	33.41	5.42	17.35	22.77	3.32	11.56	14.88	2.26	7.56	9.82	6.51
UP (East)	25.30	24.17	49.47	17.90	19.75	37.65	9.03	17.18	26.21	5.54	9.55	15.08	1.81	3.99	5.8	0.96	2.29	3.25	1.77
UP (West)	12.04	22.87	34.91	9.51	18.21	27.72	4.71	14.86	19.57	2.7	8.71	11.41	1.32	4.02	5.34	0.7	2.76	3.46	1.89
West Bengal	14.63	15.42	30.05	10.95	12.07	23.02	6.65	9.07	15.72	4.63	6.28	10.9	2.21	3.51	5.72	1.23	1.48	2.71	1.53
Total	258.59	428.82	687.41	190.03	373.28	563.31	106.52	306.07	412.59	71.06	205.45	276.52	33.29	116.46	149.75	21.32	77.87	99.19	60.87

Source: TRAI

Table 12B: Service area wise Broadband (Wireline & Wireless) subscriptions (In Million)

Service area	2020			2019			2018			2017			2016			2015			2014
	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Total
Andhra Pradesh	2.40	52.36	54.76	2.28	41.98	44.26	2.15	29.91	32.06	2.11	18.96	21.07	1.93	9.25	11.18	1.81	5.72	7.53	4.79
Assam	0.09	13.15	13.24	0.08	9.96	10.05	0.09	7.17	7.26	0.10	4.74	4.84	0.1	2.73	2.83	0.1	1.18	1.28	0.62
Bihar	0.23	43.72	43.95	0.22	32.92	33.14	0.22	20.30	20.52	0.23	11.80	12.03	0.23	5.59	5.82	0.22	2.93	3.15	2.1
Delhi	2.10	35.81	37.91	1.83	31.25	33.09	1.75	25.60	27.35	1.69	19.12	20.8	1.37	10.6	11.97	1.15	7.94	9.09	6.43
Gujarat	1.44	41.64	43.08	1.39	35.46	36.85	1.30	26.75	28.05	1.29	17.17	18.46	1.15	8.62	9.77	0.93	5.95	6.88	4.14
Haryana	0.35	15.85	16.20	0.35	13.10	13.46	0.37	7.63	8	0.37	6.50	6.87	0.36	2.85	3.21	0.34	1.91	2.25	1.04
Himachal Pradesh	0.09	5.57	5.66	0.09	4.54	4.63	0.10	6.16	6.26	0.10	2.26	2.36	0.09	1.1	1.19	0.09	0.65	0.74	0.42
Jammu & Kashmir	0.10	7.03	7.13	0.08	5.82	5.90	0.09	4.45	4.55	0.09	2.69	2.78	0.09	1.28	1.37	0.09	0.77	0.86	0.53
Karnataka	1.94	40.40	42.34	1.82	34.67	36.49	1.77	26.12	27.89	1.76	17.83	19.59	1.64	10.54	12.18	1.47	6.89	8.36	4.87
Kerala	1.25	23.59	24.84	1.37	21.06	22.42	1.34	16.40	17.75	1.34	11.27	12.61	1.28	6.86	8.14	1.21	4.66	5.87	3.55
Kolkata	0.65	15.47	16.12	0.60	13.40	14.00	0.59	10.82	11.41	0.62	7.65	8.26	0.53	3.87	4.4	0.44	2.44	2.88	1.86
Madhya Pradesh	0.65	44.06	44.71	0.75	34.63	35.37	0.72	20.31	21.03	0.76	14.28	15.04	0.7	7.13	7.83	0.65	3.94	4.59	2.65
Maharashtra	1.58	56.73	58.31	1.54	45.68	47.22	1.46	33.23	34.69	1.48	21.87	23.36	1.39	12.42	13.81	1.29	8.01	9.3	5.28
Mumbai	1.43	26.59	28.02	1.24	22.89	24.12	1.20	18.50	19.7	1.30	13.58	14.88	1.34	7.55	8.89	1.21	5.96	7.17	5.19
North East	0.08	7.36	7.44	0.07	5.86	5.93	0.07	4.49	4.56	0.07	2.84	2.91	0.06	1.54	1.6	0.06	0.91	0.97	0.65
Orissa	0.22	17.48	17.70	0.22	13.37	13.59	0.28	8.86	9.14	0.28	5.73	6.01	0.27	2.63	2.9	0.24	1.26	1.5	1.2
Punjab	0.81	23.78	24.59	0.82	20.84	21.67	0.81	15.57	16.39	0.93	10.83	11.76	0.89	4.29	5.18	0.82	2.58	3.4	1.55
Rajasthan	0.53	38.97	39.50	0.51	31.28	31.79	0.50	20.57	21.07	0.55	12.18	12.72	0.52	5.2	5.72	0.49	3.56	4.05	2.28
Tamil Nadu	2.14	45.37	47.51	2.08	38.87	40.95	2.07	31.35	33.41	2.10	20.67	22.77	1.96	12.92	14.88	1.86	7.96	9.82	6.51
UP (East)	0.45	49.02	49.47	0.45	37.21	37.65	0.42	25.79	26.21	0.42	14.66	15.08	0.4	5.4	5.8	0.39	2.86	3.25	1.77
UP (West)	0.40	34.51	34.91	0.38	27.33	27.72	0.40	19.17	19.57	0.40	11.01	11.41	0.39	4.95	5.34	0.36	3.1	3.46	1.89
West Bengal	0.26	29.79	30.05	0.25	22.77	23.02	0.25	15.47	15.72	0.26	10.64	10.9	0.27	5.45	5.72	0.24	2.47	2.71	1.53
Total	19.19	668.25	687.44	18.42	544.89	563.31	17.95	394.65	412.59	18.24	258.27	276.52	16.98	132.77	149.75	15.51	83.68	99.19	60.87

Source: TRAI

Table 12C : Service area wise Wireless internet subscriptions (In Million)

Service area	2020			2019			2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	25.35	30.71	56.06	19.78	27.04	46.81	12.67	22.60	35.26	11.93	17.56	29.49	8.95	13.77	22.72	7.93	12.13	20.06	15.79
Assam	8.30	5.84	14.14	5.67	5.76	11.44	5.03	4.68	9.71	4.24	3.72	7.96	3.21	3.44	6.65	3.24	2.13	5.37	4.00
Bihar	30.51	17.60	48.11	22.60	16.46	39.06	13.49	14.64	28.13	11.89	11.92	23.81	8.85	10.49	19.34	7.92	8.38	16.30	11.57
Delhi	0.75	38.14	38.89	0.69	33.32	34.02	0.72	28.67	29.38	0.69	24.41	25.10	0.94	18.21	19.15	1.02	16.26	17.28	14.60
Gujarat	13.44	30.26	43.70	11.23	27.39	38.62	8.06	21.87	29.93	8.05	17.75	25.80	5.87	13.88	19.75	6.35	11.97	18.32	17.99
Haryana	6.76	9.98	16.74	5.50	8.95	14.45	3.75	4.83	8.58	3.59	5.58	9.17	2.92	4.19	7.11	3.10	3.60	6.70	4.97
Himachal Pradesh	3.78	2.11	5.89	3.19	1.87	5.05	2.02	4.80	6.82	2.08	1.56	3.64	1.74	1.18	2.92	1.62	0.86	2.48	1.94
Jammu & Kashmir	3.43	4.12	7.55	2.56	3.93	6.49	1.90	3.79	5.69	1.86	2.54	4.39	1.83	1.70	3.53	1.79	1.47	3.26	2.67
Karnataka	16.88	26.80	43.68	11.83	26.54	38.36	6.59	23.57	30.16	6.26	18.64	24.90	5.43	15.35	20.78	5.20	13.16	18.36	13.84
Kerala	10.46	14.46	24.92	9.47	13.49	22.96	6.92	11.16	18.08	6.13	8.69	14.83	5.01	7.92	12.93	5.39	5.98	11.37	9.31
Kolkata	1.39	15.01	16.40	1.53	13.18	14.70	1.00	11.40	12.40	0.76	9.93	10.69	0.55	7.83	8.38	0.44	6.74	7.18	5.55
Madhya Pradesh	19.69	28.09	47.78	15.65	24.71	40.37	6.90	17.98	24.89	7.65	16.07	23.73	6.21	13.21	19.42	5.66	9.96	15.62	14.67
Maharashtra	24.97	36.15	61.12	20.04	31.57	51.61	12.60	25.07	37.67	11.60	22.53	34.12	9.61	18.14	27.75	9.05	14.91	23.96	24.02
Mumbai	1.53	27.33	28.86	1.21	24.38	25.59	0.72	20.54	21.27	0.50	17.74	18.24	0.28	13.98	14.26	0.25	12.97	13.22	13.40
North East	3.95	3.88	7.83	2.76	3.80	6.56	2.36	3.45	5.80	2.20	2.41	4.61	1.95	1.98	3.93	1.89	1.53	3.42	2.88
Orissa	12.34	6.68	19.02	9.61	5.94	15.55	5.63	6.25	11.89	4.89	5.30	10.19	3.33	4.64	7.97	3.49	3.51	7.00	4.81
Punjab	8.33	16.77	25.10	6.99	15.55	22.54	4.44	13.15	17.59	4.53	10.97	15.50	4.56	7.77	12.33	4.68	7.18	11.86	9.10
Rajasthan	19.97	21.78	41.75	15.53	19.71	35.24	9.43	16.30	25.74	8.66	12.10	20.77	6.96	9.53	16.49	7.26	7.77	15.03	11.78
Tamil Nadu	13.64	35.53	49.17	11.19	31.88	43.08	9.14	28.05	37.18	7.89	22.01	29.90	6.67	19.06	25.73	6.32	15.62	21.94	18.25
UP (East)	28.86	25.22	54.08	22.77	21.69	44.46	14.42	19.84	34.26	13.37	14.73	28.09	11.18	10.82	22.00	10.61	9.30	19.91	13.68
UP (West)	13.31	23.96	37.27	11.89	19.65	31.54	7.02	16.24	23.25	7.08	12.32	19.39	6.46	9.55	16.01	5.65	7.93	13.58	9.69
West Bengal	16.58	16.13	32.71	13.43	13.12	26.55	9.07	9.97	19.04	8.73	7.56	16.29	7.59	5.49	13.08	6.86	4.15	11.01	8.60
Total	284.22	436.55	720.77	225.12	389.93	615.05	143.89	328.83	472.71	134.57	266.04	400.62	110.08	212.13	322.21	105.75	177.53	283.28	233.09

Source: TRAI

Table- 12D Internet Subscriber Base and Market Share of top 10 Service Providers

S.No	Service Providers	No. of Internet Subscribers Dec 2019	Share (%)	No. of Internet Subscribers March 2020	Share (%)
1	Reliance Jio Infocomm Ltd	370872755	51.60	388390116	52.26
2	Bharti Airtel Ltd.	167027305	23.24	175680949	23.64
3	Vodafone Idea Limited	142068179	19.77	139470822	18.77
4	Bharat Sanchar Nigam Ltd.	30262689	4.21	30907876	4.16
5	Atria Convergence Technologies Pvt. Ltd.	1518853	0.21	1607015	0.22
6	Mahanagar Telephone Nigam Ltd.	1092201	0.15	1026441	0.14
7	Hathway Cable & Datacom Pvt. Ltd.	898834	0.13	969157	0.13
8	You Broadband India Pvt. Ltd.	785284	0.11	793244	0.11
9	GTPL Broadband Pvt. Ltd.	325927	0.05	359347	0.05
10	Excitel Broadband Private Limited	319323	0.04	350783	0.05
	Total of Top 10 ISPs	715171350	99.50	739555750	99.51
	Others	3572151	0.50	3638201	0.49
	Grand Total	718743501	100.00	743193951	100.00

Source- Quarterly & Yearly Performance Indicator Reports of TRAI.

II – Telecom Usage Parameters

*(The geographical areas covered under telecom 'service areas' are
given at Annexure-I)*

Table 1 - Telecom Usage Parameters (2007-2020)

Year	Traffic (MOU) (minutes of use /subscriber /month) Minutes #		Minutes of Usages for Internet Telephony (Million)#
	GSM	CDMA	
2007	471	471	NA
2008	493	364	NA
2009	484	357	131.63
2010	410	307	122.96
2011	349	263	153.92
2012	346	229	236.40
2013	383	275	249.75
2014	389	272	251.00
2015	383	265	245.00
2016	381	260	277.00
2017	405	250	258.00
2018	584	60	258.00
2019	692		197.00
2020	750		181.34

Source- #Quarterly Performance Indicator Reports of TRAI.

Note : NA - Not Available;
Wireless = GSM+CDMA

Table 2 - Category-wise Minute of Usage (MOUs) per subscriber per month							
Segment	MOUs	Year	Circle A	Circle B	Circle C	Metros	All India
Postpaid	Outgoing MOUs	2017	440	455	462	418	438
		2018	383	400	549	366	394
		2019	344	368	423	284	336
	Incoming MOUs	2017	388	373	289	336	362
		2018	346	379	404	323	350
		2019	317	352	357	240	301
	Total MOUs	2017	828	827	750	754	800
		2018	729	779	954	689	744
		2019	661	721	779	525	637
Prepaid	Outgoing MOUs	2017	196	199	222	257	207
		2018	281	298	348	398	308
		2019	315	348	409	419	352
	Incoming MOUs	2017	181	229	278	182	216
		2018	260	318	404	286	308
		2019	298	360	452	340	351
	Total MOUs	2017	377	428	501	439	422
		2018	540	616	752	684	617
		2019	613	708	862	760	703
Blended	Outgoing MOUs	2017	210	205	228	279	218
		2018	286	300	353	394	312
		2019	316	348	410	399	352
	Incoming MOUs	2017	192	233	279	202	222
		2018	264	320	404	291	310
		2019	299	360	449	325	349
	Total MOUs	2017	402	437	507	481	440
		2018	550	619	757	685	622
		2019	615	708	859	724	701
Note: Categories assigned to circles' have been defined in Annexure-II							
Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2019. Year=Calendar Year							

Table 3- Wireless Data usage (in million GB per Year)					
Year Ending	2G Data Usage	3G Data Usage	4G Data Usage	CDMA Data Usage	Total Volume of Data Usage
2015	479	700		196	1375
2016	477	1221	2775	169	4642
2017	423	3187	16426	56	20092
2018	443	5654	40304	3	46404
2019	488	4705	71125	-	76319
2020 \$	153.71	798.32	21902.1	-	23403

Source- Yearly Performance Indicator Reports of TRAI, Calendar Year figures
 \$- figures for the quarter ending march 2020

Table 4- Average Wireless Data usage (in GB) per data user per month						
Year Ending	2G Data Usage	3G Data Usage	4G Data Usage	CDMA Data Usage	GSMA Data Usage	Total Wireless Data Usage
2014	0.14	0.62		1.72	0.23	0.27
2015	0.20	0.75		2.53	0.35	0.41
2016	0.23	0.79	12.42	2.31	1.16	1.14
2017	0.30	2.29	7.95	3.67	4.13	4.11
2018	0.54	5.26	9.73	2.15	7.69	7.60
2019	0.64	7.05	11.26	0.00	9.85	9.85
2020 \$	-	-	-	-	-	11.00

Source- Yearly Performance Indicator Reports of TRAI, Calendar Year figures
 \$- figures for the quarter ending march 2020

Table 5 - Category-wise average number of outgoing SMS per subscriber per month

Category	Postpaid		Prepaid		Blended	
	2018	2019	2018	2019	2018	2019
Circle A	99	45	20	19	24	20
Circle B	38	36	15	14	15	14
Circle C	32	21	15	19	15	19
Metro	20	31	14	14	15	17
All India	57	36	16	16	18	17

Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2019.

III – Service Area Wise Performance

*(The geographical areas covered under telecom ‘service areas’ are
given at Annexure-I)*

Service Area wise Subscribers : Overall

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	300.49	39.41	261.08	76.50	223.99	79.55	220.94
2009	429.73	37.96	391.76	123.51	306.21	89.55	340.18
2010	621.28	36.96	584.32	200.77	420.51	105.87	515.41
2011	846.33	34.73	811.60	282.29	564.04	126.00	720.33
2012	951.35	32.17	919.17	330.83	620.52	130.27	821.08
2013	898.02	30.21	867.81	349.21	548.80	130.11	767.91
2014	933.02	28.50	904.52	377.78	555.23	120.05	812.96
2015	996.13	26.59	969.54	416.08	580.05	100.34	895.79
2016	1059.33	25.22	1034.11	447.77	611.56	108.65	950.68
2017	1194.99	24.40	1170.59	501.81	693.18	122.18	1072.81
2018	1211.80	22.81	1188.99	525.87	685.93	131.66	1080.14
2019	1183.41	21.70	1161.71	514.27	669.14	133.51	1049.90
2020	1176.79	19.13	1157.67	521.26	655.54	134.97	1041.82
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	26.22	3.44	22.78	9.46	66.39	6.94	19.28
2009	36.98	3.27	33.71	15.11	88.84	7.71	29.27
2010	52.74	3.14	49.60	24.31	119.45	8.99	43.75
2011	70.89	2.91	67.98	33.83	156.93	10.55	60.34
2012	78.66	2.66	76.00	39.26	169.17	10.77	67.89
2013	73.32	2.47	70.85	41.05	146.64	10.62	62.69
2014	75.23	2.30	72.94	44.01	145.46	9.68	65.55
2015	79.36	2.12	77.24	48.04	149.04	7.99	71.36
2016	83.40	1.99	81.41	51.26	154.18	8.55	74.85
2017	93.01	1.90	91.11	56.98	171.52	9.51	83.50
2018	93.27	1.76	91.51	59.25	166.64	10.13	83.14
2019	90.10	1.65	88.45	57.50	159.66	10.16	79.94
2020	88.66	1.44	87.22	57.87	153.68	10.17	78.49

Source - DOT

1. Andhra Pradesh

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	23.29	2.71	20.58	6.23	17.06	4.93	18.36
2009	32.95	2.55	30.40	9.17	23.78	5.66	27.29
2010	48.09	2.46	45.62	14.78	33.30	6.62	41.46
2011	63.05	2.37	60.68	20.66	42.39	9.31	53.74
2012	69.19	2.36	66.83	24.23	44.95	10.99	58.20
2013	66.60	2.24	64.36	26.06	40.55	11.23	55.37
2014	69.19	2.04	67.15	28.58	40.61	11.58	57.62
2015	73.82	1.87	71.95	31.02	42.80	11.10	62.72
2016	76.39	1.74	74.65	32.73	43.66	10.99	65.39
2017	86.58	1.64	84.94	38.73	47.85	11.14	75.44
2018	87.24	1.48	85.76	39.65	47.59	11.18	76.06
2019	88.17	1.44	86.73	42.24	45.93	11.13	77.04
2020	89.07	1.22	87.86	43.21	45.86	10.63	78.44
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	7.75	6.88	7.88	8.15	7.61	6.20	8.31
2009	7.67	6.71	7.76	7.42	7.77	6.32	8.02
2010	7.74	6.66	7.81	7.36	7.92	6.26	8.04
2011	7.45	6.82	7.48	7.32	7.52	7.39	7.46
2012	7.27	7.34	7.27	7.33	7.24	8.44	7.09
2013	7.42	7.41	7.42	7.46	7.39	8.63	7.21
2014	7.42	7.17	7.42	7.57	7.31	9.64	7.09
2015	7.41	7.03	7.42	7.45	7.38	11.06	7.00
2016	7.21	6.88	7.22	7.31	7.14	10.12	6.88
2017	7.25	6.71	7.26	7.72	6.90	9.12	7.03
2018	7.20	6.49	7.21	7.54	6.94	8.50	7.04
2019	7.45	6.64	7.47	8.21	6.86	8.34	7.34
2020	7.57	6.38	7.59	8.29	7.00	7.88	7.53
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	28.25	3.29	24.96	10.44	74.97	5.98	22.27
2009	111.83	8.65	103.18	36.32	103.38	19.20	92.63
2010	57.23	2.93	54.30	24.33	143.19	7.88	49.34
2011	74.35	2.79	71.55	33.70	180.32	10.98	63.37
2012	80.87	2.76	78.11	39.21	189.25	12.85	68.03
2013	77.19	2.60	74.59	41.83	169.00	13.01	64.17
2014	79.52	2.35	77.17	45.53	167.61	13.31	66.22
2015	84.15	2.13	82.02	49.04	174.94	12.65	71.50
2016	86.40	1.96	84.43	51.36	176.81	12.43	73.96
2017	97.18	1.84	95.34	60.35	192.02	12.50	84.68
2018	97.21	1.65	95.56	61.37	189.30	12.46	84.75
2019	97.55	1.59	95.96	64.96	181.15	12.32	85.24
2020	97.88	1.34	96.55	66.05	179.35	11.69	86.19

Source - DOT

2. Assam

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.34	0.43	3.91	1.12	3.22	1.35	2.99
2009	6.16	0.35	5.81	2.39	3.77	1.32	4.84
2010	9.06	0.31	8.76	4.76	4.31	1.45	7.61
2011	11.93	0.26	11.67	6.23	5.70	1.74	10.19
2012	14.44	0.23	14.21	7.45	6.99	1.49	12.95
2013	14.58	0.19	14.39	8.25	6.33	1.43	13.15
2014	15.46	0.18	15.28	9.20	6.27	1.46	14.00
2015	17.32	0.17	17.15	10.58	6.74	1.43	15.89
2016	18.72	0.16	18.56	11.83	6.90	1.50	17.22
2017	21.99	0.16	21.84	13.81	8.19	1.69	20.30
2018	25.52	0.14	25.38	15.87	9.65	2.75	22.76
2019	23.08	0.11	22.97	11.82	11.26	2.67	20.41
2020	23.72	0.10	23.62	13.88	9.84	2.90	20.82
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	1.45	1.09	1.50	1.47	1.44	1.70	1.36
2009	1.43	0.92	1.48	1.93	1.23	1.48	1.42
2010	1.46	0.83	1.50	2.37	1.02	1.37	1.48
2011	1.41	0.74	1.44	2.21	1.01	1.38	1.41
2012	1.52	0.71	1.55	2.25	1.13	1.15	1.58
2013	1.62	0.64	1.66	2.36	1.15	1.10	1.71
2014	1.66	0.65	1.69	2.43	1.13	1.22	1.72
2015	1.74	0.63	1.77	2.54	1.16	1.42	1.77
2016	1.77	0.64	1.79	2.64	1.13	1.38	1.81
2017	1.84	0.64	1.87	2.75	1.18	1.38	1.89
2018	2.11	0.60	2.13	3.02	1.41	2.09	2.11
2019	1.95	0.53	1.98	2.30	1.68	2.00	1.94
2020	2.02	0.52	2.04	2.66	1.50	2.15	2.00
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.74	1.46	13.28	4.44	76.30	4.58	10.16
2009	20.65	1.18	19.47	9.36	87.00	4.44	16.21
2010	29.99	1.02	28.97	18.47	96.55	4.80	25.20
2011	38.98	0.84	38.14	23.93	124.46	5.69	33.30
2012	46.61	0.74	45.87	28.35	148.57	4.82	41.79
2013	46.51	0.62	45.89	31.13	130.91	4.56	41.95
2014	48.74	0.58	48.16	34.36	126.27	4.61	44.13
2015	53.95	0.52	53.43	39.18	132.26	4.45	49.50
2016	57.64	0.49	57.15	43.40	131.88	4.63	53.01
2017	66.97	0.47	66.50	50.25	152.63	5.14	61.83
2018	76.87	0.41	76.46	57.29	175.45	8.30	68.57
2019	68.81	0.34	68.47	42.36	199.72	7.97	60.84
2020	70.01	0.29	69.72	49.39	170.31	8.57	61.44

Source - DOT

3. Bihar

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	12.93	1.42	11.51	3.07	9.87	3.32	9.61
2009	22.36	1.38	20.98	8.15	14.22	4.41	17.95
2010	38.36	1.38	36.97	16.15	22.21	6.11	32.24
2011	54.74	1.20	53.54	24.41	30.32	7.16	47.57
2012	64.09	0.61	63.48	28.95	35.15	6.73	57.36
2013	60.70	0.39	60.30	31.55	29.15	6.29	54.41
2014	61.97	0.38	61.59	34.10	27.86	3.61	58.36
2015	69.67	0.36	69.31	38.91	30.77	3.16	66.51
2016	74.84	0.33	74.51	43.30	31.54	3.66	71.19
2017	84.93	0.31	84.61	48.91	36.02	4.35	80.58
2018	88.93	0.28	88.65	53.29	35.64	4.69	84.24
2019	85.31	0.23	85.08	55.81	29.50	4.78	80.53
2020	84.88	0.16	84.72	56.28	28.60	5.77	79.11
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.30	3.62	4.41	4.01	4.41	4.18	4.35
2009	5.20	3.65	5.35	6.59	4.64	4.92	5.28
2010	6.17	3.74	6.33	8.04	5.28	5.78	6.26
2011	6.47	3.44	6.60	8.65	5.38	5.69	6.60
2012	6.74	1.90	6.91	8.75	5.66	5.17	6.99
2013	6.76	1.30	6.95	9.03	5.31	4.83	7.09
2014	6.64	1.34	6.81	9.03	5.02	3.01	7.18
2015	6.99	1.35	7.15	9.35	5.30	3.15	7.42
2016	7.07	1.32	7.21	9.67	5.16	3.36	7.49
2017	7.11	1.29	7.23	9.75	5.20	3.56	7.51
2018	7.34	1.22	7.46	10.13	5.20	3.56	7.80
2019	7.21	1.05	7.32	10.85	4.41	3.58	7.67
2020	7.21	0.84	7.32	10.80	4.36	4.28	7.59
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.43	1.15	9.28	2.86	58.77	2.68	7.75
2009	17.78	1.10	16.68	7.49	83.27	3.51	14.27
2010	30.07	1.08	28.98	14.65	127.96	4.79	25.27
2011	42.32	0.92	41.40	21.86	171.97	5.54	36.78
2012	48.90	0.47	48.43	25.58	196.24	5.13	43.77
2013	45.72	0.30	45.42	27.53	160.29	4.73	40.98
2014	46.10	0.28	45.81	29.41	150.96	2.69	43.41
2015	51.20	0.26	50.94	33.16	164.26	2.33	48.88
2016	54.36	0.24	54.11	36.48	166.00	2.66	51.70
2017	60.99	0.23	60.76	40.76	186.98	3.12	57.86
2018	63.16	0.20	62.96	43.94	182.52	3.33	59.83
2019	59.95	0.16	59.79	45.55	149.09	3.36	56.59
2020	59.04	0.11	58.93	45.49	142.72	4.02	55.02

Source - DOT

4. Gujarat

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.24	2.28	16.97	5.68	13.57	4.38	14.87
2009	26.22	2.11	24.11	8.82	17.40	4.57	21.65
2010	34.43	2.08	32.35	11.84	22.59	5.13	29.30
2011	48.90	1.95	46.96	16.63	32.28	5.69	43.21
2012	55.15	1.83	53.32	19.35	35.80	5.83	49.32
2013	53.49	1.79	51.69	19.23	34.26	5.86	47.62
2014	56.23	1.69	54.54	20.95	35.28	5.60	50.63
2015	60.12	1.55	58.56	22.72	37.40	4.45	55.66
2016	63.68	1.41	62.27	24.77	38.91	4.78	58.90
2017	73.20	1.36	71.84	28.10	45.10	5.96	67.23
2018	73.20	1.27	71.93	28.41	44.79	6.87	66.33
2019	70.53	1.24	69.30	26.73	43.80	6.97	63.57
2020	68.80	0.87	67.93	26.81	41.99	6.75	62.05
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.40	5.78	6.50	7.42	6.06	5.51	6.73
2009	6.10	5.57	6.15	7.14	5.68	5.11	6.36
2010	5.54	5.63	5.54	5.90	5.37	4.84	5.69
2011	5.78	5.61	5.79	5.89	5.72	4.52	6.00
2012	5.80	5.69	5.80	5.85	5.77	4.48	6.01
2013	5.96	5.93	5.96	5.51	6.24	4.51	6.20
2014	6.03	5.93	6.03	5.54	6.35	4.66	6.23
2015	6.03	5.84	6.04	5.46	6.45	4.44	6.21
2016	6.01	5.59	6.02	5.53	6.36	4.40	6.20
2017	6.13	5.56	6.14	5.60	6.51	4.88	6.27
2018	6.04	5.56	6.05	5.40	6.53	5.21	6.14
2019	5.96	5.69	5.97	5.20	6.55	5.22	6.05
2020	5.85	4.55	5.87	5.14	6.41	5.00	5.96
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	33.63	3.98	29.65	16.37	60.14	7.65	25.97
2009	45.16	3.64	41.52	25.21	75.43	7.88	37.28
2010	58.46	3.53	54.93	33.52	95.82	8.71	49.75
2011	81.90	3.26	78.64	46.68	133.99	9.53	72.37
2012	91.13	3.03	88.11	53.89	145.50	9.64	81.50
2013	87.23	2.92	84.31	53.12	136.39	9.56	77.67
2014	90.54	2.72	87.82	57.44	137.63	9.01	81.53
2015	95.61	2.47	93.14	61.85	143.01	7.08	88.53
2016	100.06	2.21	97.85	66.99	145.90	7.51	92.55
2017	113.71	2.11	111.60	75.55	165.93	9.26	104.45
2018	112.45	1.95	110.50	75.95	161.76	10.55	101.90
2019	107.21	1.88	105.34	71.11	155.35	10.59	96.62
2020	103.51	1.31	102.20	70.98	146.32	10.15	93.36

Source - DOT

5. Haryana

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	7.36	0.95	6.40	2.82	4.54	2.26	5.10
2009	10.78	0.88	9.90	4.66	6.12	2.58	8.20
2010	14.96	0.82	14.13	6.59	8.37	3.36	11.60
2011	21.04	0.65	20.39	8.67	12.37	3.67	17.37
2012	23.15	0.59	22.56	9.53	13.62	3.54	19.61
2013	20.10	0.56	19.54	9.76	10.35	3.61	16.49
2014	21.75	0.50	21.25	10.35	11.40	3.78	17.97
2015	22.41	0.41	22.01	10.40	12.01	3.09	19.33
2016	23.63	0.37	23.26	10.57	13.06	3.51	20.12
2017	25.39	0.35	25.05	11.45	13.94	4.00	21.39
2018	23.89	0.30	23.58	11.72	12.17	4.72	19.17
2019	27.99	0.27	27.72	12.65	15.35	5.14	22.85
2020	27.91	0.24	27.67	12.78	15.13	5.18	22.73
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.45	2.42	2.45	3.68	2.03	2.84	2.31
2009	2.51	2.31	2.53	3.77	2.00	2.88	2.41
2010	2.41	2.23	2.42	3.28	1.99	3.17	2.25
2011	2.49	1.87	2.51	3.07	2.19	2.91	2.41
2012	2.43	1.84	2.45	2.88	2.19	2.72	2.39
2013	2.24	1.86	2.25	2.79	1.89	2.78	2.15
2014	2.33	1.75	2.35	2.74	2.05	3.15	2.21
2015	2.25	1.53	2.27	2.50	2.07	3.08	2.16
2016	2.23	1.46	2.25	2.36	2.14	3.23	2.12
2017	2.12	1.42	2.14	2.28	2.01	3.27	1.99
2018	1.97	1.33	1.98	2.23	1.77	3.58	1.77
2019	2.37	1.25	2.39	2.46	2.29	3.85	2.18
2020	2.37	1.25	2.39	2.45	2.31	3.84	2.18
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	30.39	3.94	26.45	17.18	58.18	9.34	21.05
2009	43.75	3.55	40.20	28.10	75.98	10.48	33.28
2010	59.70	3.28	56.42	39.37	100.63	13.41	46.28
2011	82.59	2.55	80.04	51.33	144.16	14.39	68.20
2012	89.42	2.29	87.14	55.92	153.98	13.68	75.74
2013	76.44	2.13	74.31	56.78	113.50	13.74	62.70
2014	81.44	1.87	79.57	59.77	121.40	14.17	67.27
2015	82.67	1.50	81.17	59.62	124.23	11.38	71.28
2016	85.88	1.34	84.54	60.18	131.24	12.76	73.13
2017	91.01	1.24	89.77	64.81	136.25	14.33	76.68
2018	84.44	1.07	83.37	65.96	115.67	16.67	67.77
2019	97.66	0.94	96.72	70.82	142.00	17.93	79.73
2020	96.14	0.82	95.32	71.26	136.37	17.84	78.30

Source - DOT

6. Himachal Pradesh

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.72	0.42	2.30	1.82	0.90	1.05	1.67
2009	3.70	0.38	3.32	2.41	1.29	1.27	2.43
2010	5.34	0.36	4.99	3.15	2.19	1.63	3.71
2011	7.55	0.34	7.22	4.25	3.31	2.00	5.55
2012	8.28	0.31	7.97	4.68	3.60	1.98	6.30
2013	7.30	0.28	7.02	4.57	2.72	1.91	5.39
2014	7.37	0.25	7.12	4.77	2.61	1.68	5.69
2015	8.06	0.21	7.86	5.28	2.78	1.63	6.44
2016	9.06	0.17	8.89	5.95	3.11	1.88	7.18
2017	10.58	0.15	10.43	7.10	3.48	2.31	8.27
2018	12.58	0.13	12.45	6.90	5.68	2.69	9.89
2019	10.63	0.11	10.52	7.29	3.34	2.93	7.70
2020	10.89	0.10	10.79	7.33	3.56	3.09	7.80
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.90	1.06	0.88	2.37	0.40	1.32	0.75
2009	0.86	1.00	0.85	1.95	0.42	1.42	0.72
2010	0.86	0.97	0.85	1.57	0.52	1.54	0.72
2011	0.89	0.97	0.89	1.50	0.59	1.59	0.77
2012	0.87	0.96	0.87	1.41	0.58	1.52	0.77
2013	0.81	0.93	0.81	1.31	0.50	1.47	0.70
2014	0.79	0.89	0.79	1.26	0.47	1.40	0.70
2015	0.81	0.78	0.81	1.27	0.48	1.62	0.72
2016	0.86	0.68	0.86	1.33	0.51	1.73	0.76
2017	0.89	0.61	0.89	1.42	0.50	1.89	0.77
2018	1.04	0.55	1.05	1.31	0.83	2.04	0.92
2019	0.90	0.53	0.91	1.42	0.50	2.19	0.73
2020	0.93	0.52	0.93	1.41	0.54	2.29	0.75
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	41.16	6.33	34.83	30.81	127.78	15.91	25.25
2009	55.50	5.70	49.80	40.47	179.64	19.01	36.49
2010	79.36	5.31	74.04	52.53	298.28	24.20	55.16
2011	111.11	4.96	106.15	70.23	440.32	29.45	81.66
2012	120.68	4.49	116.18	76.76	469.57	28.85	91.83
2013	105.39	4.05	101.33	74.50	347.60	27.56	77.83
2014	105.59	3.63	101.96	77.07	326.01	24.06	81.53
2015	114.52	2.96	111.56	84.87	340.71	23.12	91.39
2016	127.61	2.41	125.19	95.00	372.94	26.49	101.11
2017	147.86	2.09	145.77	112.65	409.03	32.29	115.57
2018	174.46	1.75	172.71	108.79	656.19	37.32	137.15
2019	146.37	1.58	144.79	114.29	378.46	40.35	106.02
2020	148.85	1.34	147.51	114.24	395.72	42.19	106.66

Source - DOT

7. Jammu & Kashmir

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.46	0.26	2.20	0.65	1.81	1.18	1.28
2009	3.74	0.24	3.50	1.41	2.34	1.17	2.57
2010	5.78	0.23	5.55	2.29	3.49	1.21	4.57
2011	5.97	0.22	5.75	2.58	3.40	1.05	4.92
2012	6.51	0.20	6.31	2.67	3.84	1.25	5.26
2013	7.04	0.20	6.84	3.21	3.83	1.36	5.69
2014	8.13	0.19	7.94	3.76	4.37	1.46	6.67
2015	9.46	0.15	9.31	4.97	4.49	1.37	8.09
2016	9.95	0.13	9.82	5.19	4.76	1.43	8.51
2017	12.04	0.13	11.91	5.89	6.15	1.61	10.43
2018	13.84	0.12	13.72	7.09	6.75	1.71	12.13
2019	11.44	0.10	11.33	5.14	6.30	1.34	10.09
2020	11.98	0.12	11.86	5.75	6.23	1.38	10.60
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.82	0.66	0.84	0.85	0.81	1.49	0.58
2009	0.87	0.63	0.89	1.14	0.76	1.31	0.76
2010	0.93	0.63	0.95	1.14	0.83	1.14	0.89
2011	0.71	0.62	0.71	0.91	0.60	0.83	0.68
2012	0.68	0.64	0.69	0.81	0.62	0.96	0.64
2013	0.78	0.65	0.79	0.92	0.70	1.04	0.74
2014	0.87	0.65	0.88	1.00	0.79	1.21	0.82
2015	0.95	0.56	0.96	1.19	0.77	1.36	0.90
2016	0.94	0.52	0.95	1.16	0.78	1.32	0.90
2017	1.01	0.55	1.02	1.17	0.89	1.32	0.97
2018	1.14	0.51	1.15	1.35	0.98	1.30	1.12
2019	0.97	0.47	0.98	1.00	0.94	1.01	0.96
2020	1.02	0.63	1.02	1.10	0.95	1.02	1.02
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	21.84	2.30	19.54	7.87	61.16	10.48	11.36
2009	32.76	2.10	30.66	16.72	77.42	10.24	22.52
2010	49.90	2.00	47.90	26.93	113.17	10.42	39.49
2011	50.90	1.84	49.06	30.01	107.85	8.95	41.95
2012	54.82	1.72	53.10	30.84	119.52	10.53	44.29
2013	58.57	1.64	56.93	36.72	116.92	11.28	47.29
2014	66.80	1.53	65.27	42.61	130.70	11.99	54.82
2015	76.93	1.21	75.72	55.85	132.04	11.12	65.81
2016	80.02	1.06	78.96	57.90	137.20	11.52	68.50
2017	95.91	1.07	94.84	65.23	174.43	12.83	83.07
2018	109.19	0.91	108.28	78.03	188.09	13.50	95.69
2019	89.43	0.80	88.63	56.19	172.73	10.51	78.92
2020	92.91	0.93	91.97	62.53	168.24	10.68	82.22

Source - DOT

8. Karnataka

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.89	2.84	17.04	4.23	15.65	4.40	15.49
2009	26.33	2.78	23.54	5.30	21.02	4.92	21.41
2010	39.91	2.78	37.13	8.94	30.97	6.04	33.87
2011	52.19	2.74	49.45	13.11	39.09	7.75	44.45
2012	58.41	2.69	55.71	16.54	41.87	8.88	49.53
2013	55.36	2.44	52.91	16.21	39.15	8.82	46.54
2014	56.64	2.32	54.32	17.51	39.13	8.89	47.75
2015	60.32	2.28	58.05	18.64	41.68	8.10	52.22
2016	63.60	2.26	61.34	20.21	43.39	8.25	55.35
2017	71.39	2.24	69.14	22.51	48.88	8.26	63.13
2018	69.22	2.22	67.00	23.63	45.59	8.33	60.89
2019	70.40	2.15	68.24	23.94	46.46	8.22	62.18
2020	69.72	2.10	67.63	28.57	41.16	8.18	61.54
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.62	7.22	6.53	5.53	6.99	5.53	7.01
2009	6.13	7.33	6.01	4.29	6.87	5.49	6.29
2010	6.42	7.51	6.35	4.45	7.36	5.71	6.57
2011	6.17	7.90	6.09	4.64	6.93	6.15	6.17
2012	6.14	8.36	6.06	5.00	6.75	6.81	6.03
2013	6.16	8.09	6.10	4.64	7.13	6.78	6.06
2014	6.07	8.13	6.01	4.63	7.05	7.40	5.87
2015	6.06	8.57	5.99	4.48	7.19	8.08	5.83
2016	6.00	8.94	5.93	4.51	7.09	7.59	5.82
2017	5.97	9.20	5.91	4.49	7.05	6.76	5.88
2018	5.71	9.72	5.64	4.49	6.65	6.33	5.64
2019	5.95	9.93	5.87	4.66	6.94	6.16	5.92
2020	5.92	10.98	5.84	5.48	6.28	6.06	5.91
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	34.53	4.94	29.59	11.53	74.98	7.64	26.89
2009	45.21	4.78	40.43	14.36	98.73	8.44	36.77
2010	67.81	4.72	63.09	24.08	142.62	10.27	57.54
2011	87.76	4.61	83.15	35.10	176.59	13.02	74.74
2012	97.22	4.48	92.74	44.08	185.62	14.78	82.44
2013	91.24	4.03	87.21	43.00	170.38	14.53	76.71
2014	92.45	3.78	88.67	46.24	167.19	14.50	77.95
2015	97.54	3.68	93.86	49.05	174.89	13.10	84.44
2016	101.89	3.61	98.27	52.95	178.85	13.21	88.67
2017	113.39	3.57	109.83	58.81	198.06	13.12	100.27
2018	109.05	3.49	105.55	61.57	181.67	13.12	95.93
2019	110.04	3.37	106.67	62.23	182.15	12.85	97.19
2020	108.19	3.25	104.94	74.13	158.84	12.70	95.49

Source - DOT

9. Kerala

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.37	3.67	11.70	6.60	8.77	6.26	9.12
2009	19.98	3.58	16.40	9.00	10.98	6.55	13.42
2010	27.65	3.46	24.19	11.43	16.22	7.51	20.15
2011	34.66	3.30	31.36	13.74	20.92	9.15	25.51
2012	37.21	3.19	34.02	16.10	21.10	10.18	27.03
2013	33.76	3.06	30.69	16.22	17.54	10.67	23.09
2014	34.01	2.89	31.12	16.97	17.04	10.72	23.28
2015	33.94	2.59	31.35	17.81	16.13	9.00	24.94
2016	36.61	2.30	34.31	16.64	19.96	9.78	26.83
2017	41.28	2.11	39.16	18.69	22.59	11.11	30.17
2018	43.98	1.97	42.00	20.30	23.67	12.39	31.58
2019	45.84	1.88	43.96	20.89	24.95	12.67	33.17
2020	44.98	1.54	43.43	20.92	24.06	12.39	32.59
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.12	9.32	4.48	8.62	3.92	7.86	4.13
2009	4.65	9.42	4.19	7.29	3.58	7.32	3.95
2010	4.45	9.36	4.14	5.69	3.86	7.09	3.91
2011	4.10	9.50	3.86	4.87	3.71	7.26	3.54
2012	3.91	9.91	3.70	4.87	3.40	7.81	3.29
2013	3.76	10.14	3.54	4.64	3.20	8.20	3.01
2014	3.64	10.13	3.44	4.49	3.07	8.93	2.86
2015	3.41	9.73	3.23	4.28	2.78	8.97	2.78
2016	3.46	9.11	3.32	3.72	3.26	9.00	2.82
2017	3.45	8.65	3.35	3.72	3.26	9.09	2.81
2018	3.63	8.64	3.53	3.86	3.45	9.41	2.92
2019	3.87	8.68	3.78	4.06	3.73	9.49	3.16
2020	3.82	8.05	3.75	4.01	3.67	9.18	3.13
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	45.34	10.83	34.51	26.18	100.79	18.45	26.89
2009	58.48	10.47	48.01	35.43	125.35	19.19	39.29
2010	80.36	10.06	70.31	44.65	184.18	21.82	58.55
2011	100.01	9.52	90.48	53.25	236.25	26.39	73.62
2012	106.61	9.14	97.47	61.94	237.10	29.16	77.45
2013	96.09	8.72	87.37	61.93	196.10	30.36	65.73
2014	96.19	8.16	88.02	64.34	189.66	30.33	65.85
2015	95.41	7.27	88.14	67.09	178.73	25.29	70.12
2016	102.33	6.42	95.91	62.30	220.35	27.35	74.99
2017	114.75	5.87	108.88	69.53	248.35	30.88	83.87
2018	121.61	5.45	116.16	75.10	259.40	34.27	87.35
2019	126.15	5.18	120.96	76.85	272.53	34.88	91.27
2020	123.19	4.23	118.97	76.55	261.98	33.94	89.26

Source - DOT

10. Madhya Pradesh

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.98	1.79	13.19	2.89	12.09	3.82	11.16
2009	22.27	1.68	20.60	5.95	16.32	4.47	17.80
2010	33.55	1.57	31.98	10.79	22.76	5.42	28.13
2011	47.21	1.38	45.83	16.26	30.95	6.06	41.15
2012	52.76	1.14	51.62	18.61	34.15	5.67	47.09
2013	53.28	1.12	52.16	22.49	30.80	6.08	47.20
2014	56.58	1.10	55.48	24.79	31.79	5.78	50.80
2015	61.71	1.11	60.60	27.43	34.28	4.05	57.66
2016	66.72	1.04	65.67	30.44	36.28	5.15	61.56
2017	70.60	1.02	69.58	33.17	37.43	5.92	64.69
2018	71.47	0.95	70.52	33.78	37.69	6.72	64.75
2019	75.72	0.92	74.80	34.33	41.39	6.83	68.89
2020	75.85	0.62	75.23	34.38	41.47	6.73	69.13
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.99	4.55	5.05	3.78	5.40	4.81	5.05
2009	5.18	4.41	5.26	4.82	5.33	5.00	5.23
2010	5.40	4.25	5.47	5.38	5.41	5.12	5.46
2011	5.58	3.98	5.65	5.76	5.49	4.81	5.71
2012	5.55	3.54	5.62	5.63	5.50	4.35	5.74
2013	5.93	3.71	6.01	6.44	5.61	4.67	6.15
2014	6.06	3.87	6.13	6.56	5.73	4.82	6.25
2015	6.19	4.16	6.25	6.59	5.91	4.04	6.44
2016	6.30	4.13	6.35	6.80	5.93	4.74	6.48
2017	5.91	4.20	5.94	6.61	5.40	4.84	6.03
2018	5.90	4.16	5.93	6.42	5.50	5.10	5.99
2019	6.40	4.24	6.44	6.68	6.19	5.12	6.56
2020	6.45	3.24	6.50	6.60	6.33	4.99	6.64
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	16.26	1.95	14.32	4.25	50.44	4.15	12.12
2009	23.79	1.79	22.00	8.61	66.56	4.78	19.01
2010	35.28	1.65	33.63	15.41	90.76	5.70	29.58
2011	48.88	1.43	47.45	22.92	120.74	6.27	42.61
2012	53.81	1.16	52.65	25.90	130.38	5.78	48.03
2013	53.55	1.13	52.42	30.91	115.09	6.11	47.44
2014	56.04	1.09	54.95	33.67	116.34	5.73	50.32
2015	60.25	1.08	59.17	36.81	122.85	3.96	56.29
2016	64.23	1.00	63.23	40.37	127.38	4.96	59.27
2017	67.07	0.97	66.10	43.52	128.86	5.62	61.45
2018	67.02	0.89	66.13	43.85	127.26	6.30	60.72
2019	70.11	0.85	69.26	44.12	137.10	6.33	63.79
2020	69.40	0.57	68.83	43.77	134.83	6.15	63.24

Source - DOT

11. Maharashtra

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	24.72	3.64	21.08	7.56	17.17	7.06	17.66
2009	34.62	3.27	31.35	13.12	21.49	7.09	27.53
2010	46.53	3.01	43.52	19.66	26.87	7.69	38.83
2011	64.57	2.85	61.72	28.25	36.32	9.08	55.49
2012	73.12	2.65	70.47	32.10	41.01	8.47	64.65
2013	70.87	2.47	68.40	32.54	38.32	8.92	61.95
2014	74.90	2.31	72.59	34.84	40.07	8.47	66.44
2015	79.06	2.12	76.94	37.78	41.28	6.79	72.27
2016	86.09	1.99	84.10	40.38	45.71	7.39	78.70
2017	95.78	1.88	93.90	43.14	52.64	7.92	87.86
2018	96.33	1.73	94.61	45.56	50.77	8.37	87.96
2019	94.55	1.52	93.03	43.56	50.99	8.29	86.26
2020	94.11	1.31	92.80	43.59	50.52	7.93	86.18
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	8.23	9.24	8.07	9.88	7.66	8.88	7.99
2009	8.06	8.61	8.00	10.62	7.02	7.91	8.09
2010	7.49	8.14	7.45	9.79	6.39	7.26	7.53
2011	7.63	8.22	7.60	10.01	6.44	7.21	7.70
2012	7.69	8.22	7.67	9.70	6.61	6.50	7.87
2013	7.89	8.16	7.88	9.32	6.98	6.86	8.07
2014	8.03	8.10	8.03	9.22	7.22	7.05	8.17
2015	7.94	7.96	7.94	9.08	7.12	6.77	8.07
2016	8.13	7.88	8.13	9.02	7.47	6.80	8.28
2017	8.02	7.70	8.02	8.60	7.59	6.49	8.19
2018	7.95	7.58	7.96	8.66	7.40	6.36	8.14
2019	7.99	7.02	8.01	8.47	7.62	6.21	8.22
2020	8.00	6.85	8.02	8.36	7.71	5.88	8.27
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	27.42	4.04	23.38	12.59	56.97	7.83	19.59
2009	37.90	3.58	34.32	21.70	69.67	7.76	30.14
2010	50.30	3.25	47.05	32.27	85.10	8.32	41.99
2011	68.97	3.05	65.93	46.07	112.47	9.70	59.28
2012	77.19	2.79	74.40	52.03	124.23	8.94	68.25
2013	73.97	2.57	71.39	52.43	113.59	9.31	64.65
2014	77.32	2.38	74.93	55.82	116.26	8.74	68.58
2015	80.75	2.16	78.59	60.24	117.32	6.93	73.82
2016	87.06	2.01	85.05	64.11	127.32	7.47	79.59
2017	95.88	1.88	94.00	68.20	143.70	7.93	87.95
2018	95.50	1.71	93.78	71.74	135.87	8.30	87.20
2019	92.83	1.50	91.34	68.34	133.80	8.14	84.70
2020	91.55	1.28	90.27	68.16	130.05	7.71	83.83

Source - DOT

12. North-East

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.46	0.34	2.12	0.53	1.93	1.05	1.41
2009	3.69	0.34	3.35	0.95	2.73	1.10	2.58
2010	5.64	0.33	5.31	2.52	3.12	1.40	4.24
2011	7.45	0.27	7.18	3.24	4.21	1.71	5.75
2012	8.77	0.25	8.52	3.77	5.00	1.87	6.90
2013	9.15	0.19	8.96	4.13	5.02	1.95	7.20
2014	9.55	0.14	9.41	4.39	5.17	1.66	7.89
2015	10.63	0.13	10.50	5.29	5.34	1.65	8.98
2016	11.20	0.12	11.07	5.64	5.56	1.75	9.45
2017	12.69	0.12	12.57	6.37	6.32	1.79	10.90
2018	13.97	0.11	13.86	7.08	6.89	1.75	12.23
2019	12.12	0.10	12.01	4.73	7.39	1.73	10.39
2020	12.11	0.09	12.02	5.73	6.39	1.51	10.60
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.82	0.87	0.81	0.69	0.86	1.32	0.64
2009	0.86	0.88	0.86	0.77	0.89	1.23	0.76
2010	0.91	0.88	0.91	1.25	0.74	1.32	0.82
2011	0.88	0.78	0.89	1.15	0.75	1.36	0.80
2012	0.92	0.78	0.93	1.14	0.81	1.43	0.84
2013	1.02	0.63	1.03	1.18	0.91	1.50	0.94
2014	1.02	0.49	1.04	1.16	0.93	1.38	0.97
2015	1.07	0.48	1.08	1.27	0.92	1.64	1.00
2016	1.06	0.49	1.07	1.26	0.91	1.61	0.99
2017	1.06	0.50	1.07	1.27	0.91	1.46	1.02
2018	1.15	0.49	1.17	1.35	1.00	1.33	1.13
2019	1.02	0.48	1.03	0.92	1.10	1.29	0.99
2020	1.03	0.47	1.04	1.10	0.97	1.12	1.02
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.32	2.69	16.63	5.42	64.59	8.26	11.06
2009	28.60	2.60	25.99	9.70	89.46	8.57	20.02
2010	43.22	2.50	40.71	25.36	100.09	10.73	32.49
2011	56.50	2.04	54.46	32.36	132.55	12.95	43.55
2012	65.72	1.89	63.83	37.38	153.90	14.00	51.72
2013	67.78	1.41	66.37	40.57	151.51	14.42	53.36
2014	69.97	1.03	68.94	42.68	153.01	12.17	57.79
2015	77.00	0.92	76.07	51.09	154.91	11.93	65.06
2016	80.22	0.89	79.33	54.01	158.15	12.55	67.67
2017	89.94	0.86	89.08	60.51	176.42	12.68	77.25
2018	98.06	0.79	97.27	66.81	188.77	12.27	85.79
2019	84.17	0.72	83.44	44.30	198.62	12.01	72.16
2020	83.37	0.63	82.75	53.33	168.53	10.42	72.96

Source - DOT

13. Odisha

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.95	0.77	5.18	2.37	3.58	1.94	4.01
2009	9.33	0.65	8.69	4.20	5.13	2.25	7.08
2010	15.89	0.61	15.27	6.95	8.94	3.11	12.77
2011	22.99	0.57	22.42	9.64	13.34	4.39	18.59
2012	27.08	0.46	26.62	11.99	15.09	4.90	22.19
2013	24.98	0.37	24.60	13.30	11.67	4.88	20.10
2014	25.47	0.35	25.13	13.78	11.69	3.67	21.80
2015	28.19	0.32	27.87	15.46	12.73	3.74	24.45
2016	29.37	0.31	29.06	17.32	12.05	4.43	24.93
2017	34.58	0.29	34.29	20.45	14.13	5.31	29.28
2018	34.65	0.28	34.37	21.84	12.81	5.69	28.96
2019	32.93	0.24	32.69	21.40	11.53	5.97	26.96
2020	33.53	0.20	33.33	22.34	11.19	6.41	27.12
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	1.98	1.96	1.98	3.10	1.60	2.44	1.81
2009	2.17	1.71	2.22	3.40	1.68	2.51	2.08
2010	2.56	1.66	2.61	3.46	2.13	2.94	2.48
2011	2.72	1.64	2.76	3.42	2.37	3.49	2.58
2012	2.85	1.44	2.90	3.62	2.43	3.76	2.70
2013	2.78	1.24	2.83	3.81	2.13	3.75	2.62
2014	2.73	1.22	2.78	3.65	2.11	3.06	2.68
2015	2.83	1.20	2.87	3.72	2.19	3.73	2.73
2016	2.77	1.22	2.81	3.87	1.97	4.08	2.62
2017	2.89	1.20	2.93	4.08	2.04	4.34	2.73
2018	2.86	1.22	2.89	4.15	1.87	4.32	2.68
2019	2.78	1.09	2.81	4.16	1.72	4.47	2.57
2020	2.85	1.05	2.88	4.29	1.71	4.75	2.60
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.00	1.95	13.05	7.14	55.59	4.90	10.10
2009	23.30	1.62	21.69	12.55	78.09	5.62	17.69
2010	39.30	1.52	37.78	20.61	133.25	7.70	31.60
2011	56.37	1.40	54.97	28.42	194.96	10.77	45.60
2012	65.84	1.13	64.71	35.11	216.24	11.90	53.94
2013	60.21	0.90	59.31	38.72	164.00	11.76	48.45
2014	60.90	0.83	60.07	39.87	161.16	8.77	52.13
2015	66.85	0.75	66.09	44.46	172.11	8.86	57.98
2016	69.09	0.72	68.37	49.52	159.94	10.43	58.66
2017	80.74	0.68	80.06	58.18	184.01	12.39	68.34
2018	80.28	0.64	79.64	61.81	163.73	13.17	67.11
2019	75.74	0.54	75.20	60.27	144.73	13.73	62.01
2020	76.58	0.46	76.12	62.62	137.98	14.65	61.93

Source - DOT

14. Punjab

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	13.40	1.68	11.72	4.24	9.15	3.45	9.95
2009	16.53	1.65	14.88	5.63	10.90	4.24	12.29
2010	21.70	1.60	20.10	7.26	14.44	4.95	16.75
2011	30.34	1.58	28.76	9.81	20.53	5.81	24.53
2012	33.40	1.44	31.95	11.17	22.23	5.78	27.62
2013	30.78	1.32	29.46	11.59	19.19	5.42	25.37
2014	32.43	1.22	31.21	12.45	19.98	5.51	26.93
2015	31.75	1.12	30.63	12.47	19.28	3.79	27.96
2016	32.81	1.06	31.75	12.49	20.32	4.24	28.56
2017	36.97	1.01	35.97	13.99	22.99	5.13	31.84
2018	39.00	0.86	38.14	14.15	24.86	5.81	33.19
2019	40.01	0.77	39.24	13.62	26.39	5.85	34.17
2020	39.83	0.66	39.17	13.65	26.19	6.09	33.74
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.46	4.27	4.49	5.55	4.09	4.33	4.51
2009	3.85	4.34	3.80	4.56	3.56	4.74	3.61
2010	3.49	4.34	3.44	3.62	3.43	4.67	3.25
2011	3.58	4.55	3.54	3.48	3.64	4.61	3.41
2012	3.51	4.48	3.48	3.38	3.58	4.43	3.36
2013	3.43	4.37	3.40	3.32	3.50	4.16	3.30
2014	3.48	4.29	3.45	3.30	3.60	4.59	3.31
2015	3.19	4.21	3.16	3.00	3.32	3.78	3.12
2016	3.10	4.20	3.07	2.79	3.32	3.91	3.00
2017	3.09	4.13	3.07	2.79	3.32	4.20	2.97
2018	3.22	3.78	3.21	2.69	3.62	4.42	3.07
2019	3.38	3.57	3.38	2.65	3.94	4.38	3.25
2020	3.38	3.45	3.38	2.62	4.00	4.51	3.24
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	47.89	6.02	41.87	25.08	82.79	12.31	35.58
2009	58.25	5.81	52.44	33.11	95.85	14.95	43.30
2010	75.43	5.58	69.86	42.51	123.57	17.19	58.24
2011	104.09	5.42	98.68	57.23	171.07	19.93	84.16
2012	113.13	4.89	108.24	64.90	180.52	19.57	93.56
2013	103.00	4.42	98.58	67.16	151.97	18.12	84.88
2014	107.22	4.04	103.18	71.96	154.34	18.20	89.02
2015	103.79	3.66	100.12	71.96	145.39	12.39	91.39
2016	106.10	3.43	102.67	71.97	149.78	13.72	92.38
2017	118.28	3.22	115.06	80.51	165.52	16.40	101.87
2018	123.45	2.73	120.72	81.39	174.88	18.40	105.05
2019	125.35	2.42	122.92	78.37	181.51	18.32	107.03
2020	123.52	2.05	121.47	78.56	176.04	18.89	104.62

Source - DOT

15. Rajasthan

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.34	1.76	13.59	6.28	9.07	4.10	11.24
2009	24.42	1.67	22.76	8.37	16.05	4.72	19.70
2010	35.27	1.53	33.74	15.99	19.28	5.91	29.36
2011	44.39	1.29	43.10	20.05	24.34	6.87	37.51
2012	50.32	1.16	49.16	23.00	27.32	6.70	43.63
2013	49.61	1.01	48.60	23.75	25.87	6.85	42.76
2014	53.57	0.92	52.65	26.21	27.36	6.85	46.72
2015	56.03	0.82	55.21	29.28	26.75	3.99	52.04
2016	60.88	0.79	60.09	32.28	28.60	4.67	56.21
2017	68.10	0.74	67.36	34.62	33.48	6.17	61.93
2018	65.84	0.60	65.24	34.09	31.75	6.08	59.76
2019	64.77	0.54	64.24	33.08	31.69	6.35	58.42
2020	65.98	0.45	65.54	35.64	30.35	6.63	59.35
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.11	4.46	5.20	8.21	4.05	5.16	5.09
2009	5.68	4.39	5.81	6.78	5.24	5.27	5.79
2010	5.68	4.13	5.77	7.96	4.58	5.58	5.70
2011	5.24	3.71	5.31	7.10	4.32	5.46	5.21
2012	5.29	3.62	5.35	6.95	4.40	5.14	5.31
2013	5.52	3.35	5.60	6.80	4.71	5.27	5.57
2014	5.74	3.24	5.82	6.94	4.93	5.71	5.75
2015	5.62	3.09	5.69	7.04	4.61	3.98	5.81
2016	5.75	3.12	5.81	7.21	4.68	4.29	5.91
2017	5.70	3.03	5.75	6.90	4.83	5.05	5.77
2018	5.43	2.63	5.49	6.48	4.63	4.62	5.53
2019	5.47	2.47	5.53	6.43	4.74	4.76	5.56
2020	5.61	2.35	5.66	6.84	4.63	4.91	5.70
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	23.74	2.72	21.02	12.74	59.06	6.35	17.39
2009	37.15	2.53	34.62	16.71	102.56	7.18	29.97
2010	52.76	2.28	50.48	31.42	120.89	8.84	43.92
2011	65.35	1.90	63.46	38.79	149.88	10.12	55.23
2012	72.96	1.69	71.27	43.86	165.30	9.71	63.25
2013	70.85	1.44	69.40	44.63	153.82	9.79	61.06
2014	75.39	1.30	74.09	48.58	160.00	9.65	65.75
2015	77.76	1.14	76.62	53.55	153.93	5.54	72.22
2016	83.36	1.08	82.29	58.30	161.99	6.39	76.98
2017	92.02	1.00	91.02	61.73	186.76	8.33	83.69
2018	87.83	0.80	87.03	60.06	174.44	8.11	79.72
2019	85.34	0.71	84.63	57.60	171.59	8.37	76.97
2020	85.88	0.58	85.29	61.34	161.97	8.63	77.25

Source - DOT

16. Tamil Nadu

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	20.79	2.50	18.28	5.13	15.65	5.14	15.64
2009	30.04	2.26	27.78	8.22	21.82	5.57	24.47
2010	44.44	2.11	42.34	12.03	32.41	6.64	37.80
2011	58.71	1.98	56.73	15.11	43.59	8.68	50.03
2012	80.87	3.19	77.68	17.21	63.66	12.22	68.65
2013	75.52	3.11	72.41	19.98	55.54	12.00	63.53
2014	78.09	2.91	75.17	21.91	56.18	12.05	66.04
2015	83.08	2.76	80.32	24.05	59.02	10.71	72.36
2016	83.99	2.64	81.35	24.25	59.73	10.65	73.34
2017	91.80	2.55	89.26	26.28	65.53	10.97	80.83
2018	98.01	2.32	95.70	29.14	68.87	12.65	85.36
2019	84.48	2.19	82.29	23.09	61.39	13.48	71.00
2020	83.80	1.91	81.89	25.98	57.82	13.77	70.03
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.92	6.35	7.00	6.71	6.99	6.47	7.08
2009	6.99	5.95	7.09	6.65	7.13	6.22	7.19
2010	7.15	5.70	7.25	5.99	7.71	6.27	7.33
2011	6.94	5.69	6.99	5.35	7.73	6.89	6.95
2012	8.50	9.92	8.45	5.20	10.26	9.38	8.36
2013	8.41	10.29	8.34	5.72	10.12	9.22	8.27
2014	8.37	10.22	8.31	5.80	10.12	10.03	8.12
2015	8.34	10.37	8.28	5.78	10.18	10.68	8.08
2016	7.93	10.47	7.87	5.42	9.77	9.80	7.71
2017	7.68	10.44	7.62	5.24	9.45	8.98	7.53
2018	8.09	10.15	8.05	5.54	10.04	9.61	7.90
2019	7.14	10.10	7.08	4.49	9.17	10.09	6.76
2020	7.12	9.98	7.07	4.98	8.82	10.20	6.72
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	35.09	4.22	30.87	15.78	58.62	8.69	26.41
2009	50.46	3.80	46.67	25.62	79.48	9.36	41.10
2010	74.31	3.52	70.79	38.05	114.94	11.11	63.20
2011	97.73	3.29	94.44	48.55	150.60	14.44	83.28
2012	116.61	4.60	112.01	56.20	164.40	17.61	98.99
2013	108.17	4.45	103.72	66.33	139.93	17.18	90.99
2014	111.14	4.15	106.99	74.02	138.16	17.14	93.99
2015	117.52	3.90	113.62	82.75	141.81	15.16	102.37
2016	118.13	3.71	114.42	85.00	140.34	14.97	103.16
2017	128.41	3.56	124.84	93.88	150.61	15.34	113.06
2018	136.36	3.22	133.14	106.23	154.96	17.61	118.76
2019	116.94	3.03	113.91	85.94	135.30	18.65	98.29
2020	115.45	2.64	112.81	98.80	124.90	18.97	96.48

Source - DOT

17. Uttar Pradesh *

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	31.86	2.81	29.05	9.74	22.12	9.51	22.35
2009	49.45	2.81	46.64	15.98	33.47	11.44	38.02
2010	77.50	2.82	74.68	29.45	48.05	14.41	63.10
2011	111.77	2.32	109.45	43.59	68.18	16.66	95.11
2012	130.78	2.07	128.71	53.27	77.51	16.84	113.94
2013	124.04	1.82	122.22	56.39	67.65	17.01	107.03
2014	127.08	1.34	125.74	61.02	66.06	16.11	110.97
2015	136.42	1.00	135.42	67.71	68.71	11.84	124.58
2016	150.77	0.93	149.84	74.53	76.24	13.95	136.81
2017	172.13	0.89	171.24	82.44	89.69	17.66	154.46
2018	168.40	0.81	167.59	84.76	83.65	18.32	150.09
2019	164.34	0.75	163.59	90.42	73.92	18.41	145.93
2020	160.75	0.61	160.14	84.11	76.65	18.15	142.61
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.60	7.14	11.13	12.73	9.88	11.96	10.12
2009	11.51	7.40	11.91	12.94	10.93	12.77	11.18
2010	12.47	7.64	12.78	14.67	11.43	13.61	12.24
2011	13.21	6.69	13.49	15.44	12.09	13.22	13.20
2012	13.75	6.43	14.00	16.10	12.49	12.93	13.88
2013	13.81	6.01	14.08	16.15	12.33	13.07	13.94
2014	13.62	4.71	13.90	16.15	11.90	13.42	13.65
2015	13.69	3.75	13.97	16.27	11.85	11.80	13.91
2016	14.23	3.69	14.49	16.64	12.47	12.84	14.39
2017	14.40	3.65	14.63	16.43	12.94	14.46	14.40
2018	13.90	3.56	14.10	16.12	12.20	13.91	13.90
2019	13.89	3.47	14.08	17.58	11.05	13.79	13.90
2020	13.66	3.19	13.83	16.14	11.69	13.45	13.69
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.93	1.41	14.52	6.23	50.53	4.75	11.17
2009	24.28	1.38	22.90	10.06	74.65	5.61	18.66
2010	37.37	1.36	36.01	18.24	104.68	6.95	30.43
2011	52.97	1.10	51.87	26.57	145.15	7.90	45.07
2012	60.93	0.96	59.97	31.98	161.32	7.85	53.08
2013	56.83	0.83	56.00	33.34	137.69	7.79	49.04
2014	57.27	0.61	56.67	35.55	131.53	7.26	50.01
2015	60.51	0.44	60.06	38.88	133.87	5.25	55.25
2016	65.83	0.41	65.43	42.20	145.42	6.09	59.74
2017	74.03	0.38	73.64	46.06	167.56	7.60	66.43
2018	71.36	0.34	71.01	46.73	153.12	7.76	63.60
2019	68.63	0.31	68.32	49.22	132.63	7.69	60.94
2020	66.20	0.25	65.95	45.22	134.86	7.47	58.73

Source - DOT

* UP (East) and UP (West) combined

18. West Bengal

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.59	1.15	9.44	4.68	5.90	2.70	7.88
2009	16.71	1.05	15.66	8.62	8.09	3.06	13.65
2010	26.07	0.91	25.17	15.00	11.07	3.28	22.79
2011	40.42	0.76	39.66	23.93	16.49	4.07	36.35
2012	46.95	0.68	46.27	27.51	19.44	4.27	42.68
2013	41.71	0.55	41.16	26.77	14.94	4.15	37.56
2014	42.80	0.51	42.29	27.74	15.06	2.55	40.25
2015	47.52	0.44	47.07	31.79	15.73	1.80	45.71
2016	49.87	0.37	49.50	34.38	15.49	2.11	47.75
2017	58.58	0.33	58.25	39.86	18.72	2.23	56.35
2018	59.15	0.28	58.88	40.52	18.63	2.01	57.15
2019	57.72	0.23	57.49	37.45	20.27	1.99	55.73
2020	55.24	0.17	55.07	34.57	20.67	2.53	52.70
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	3.52	2.91	3.62	6.12	2.63	3.40	3.57
2009	3.89	2.78	4.00	6.98	2.64	3.42	4.01
2010	4.20	2.45	4.31	7.47	2.63	3.10	4.42
2011	4.78	2.18	4.89	8.48	2.92	3.23	5.05
2012	4.94	2.12	5.03	8.32	3.13	3.28	5.20
2013	4.64	1.81	4.74	7.67	2.72	3.19	4.89
2014	4.59	1.78	4.68	7.34	2.71	2.12	4.95
2015	4.77	1.66	4.86	7.64	2.71	1.80	5.10
2016	4.71	1.45	4.79	7.68	2.53	1.94	5.02
2017	4.90	1.34	4.98	7.94	2.70	1.82	5.25
2018	4.88	1.22	4.95	7.71	2.72	1.53	5.29
2019	4.88	1.04	4.95	7.28	3.03	1.49	5.31
2020	4.69	0.89	4.76	6.63	3.15	1.87	5.06
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.39	1.56	12.83	7.41	56.86	3.67	10.71
2009	22.50	1.42	21.08	13.51	77.04	4.12	18.38
2010	34.78	1.21	33.57	23.32	104.13	4.38	30.40
2011	53.43	1.00	52.43	36.88	153.26	5.38	48.05
2012	61.52	0.89	60.63	42.05	178.63	5.60	55.93
2013	54.18	0.71	53.47	40.58	135.72	5.39	48.79
2014	55.13	0.65	54.48	41.71	135.28	3.29	51.84
2015	60.69	0.56	60.13	47.41	139.77	2.30	58.39
2016	63.16	0.46	62.69	50.88	136.07	2.68	60.48
2017	73.59	0.41	73.18	58.54	162.71	2.80	70.79
2018	73.73	0.35	73.39	59.06	160.28	2.50	71.23
2019	71.39	0.28	71.11	54.19	172.51	2.47	68.92
2020	67.80	0.20	67.60	49.67	174.12	3.11	64.69

Source - DOT

19. Kolkata

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	9.33	1.49	7.84	0.73	8.60	2.43	6.90
2009	13.18	1.54	11.64	1.04	12.14	2.95	10.23
2010	17.87	1.46	16.40	0.72	17.14	3.11	14.76
2011	24.61	1.40	23.21	0.92	23.70	3.69	20.93
2012	26.17	1.18	24.99	0.90	25.27	3.40	22.77
2013	22.40	1.14	21.26	0.95	21.46	3.23	19.18
2014	22.15	1.08	21.07	1.77	20.38	1.71	20.44
2015	23.56	1.00	22.56	1.59	21.97	1.55	22.02
2016	25.93	0.91	25.03	1.79	24.15	1.45	24.48
2017	30.18	0.86	29.32	2.38	27.80	1.57	28.61
2018	29.61	0.79	28.81	3.28	26.32	2.02	27.58
2019	27.05	0.71	26.34	2.83	24.22	2.05	25.00
2020	26.35	0.62	25.73	1.88	24.47	2.49	23.87
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	3.11	3.78	3.00	0.95	3.84	3.05	3.12
2009	3.07	4.05	2.97	0.84	3.96	3.29	3.01
2010	2.88	3.96	2.81	0.36	4.08	2.94	2.86
2011	2.91	4.03	2.86	0.32	4.20	2.93	2.91
2012	2.75	3.68	2.72	0.27	4.07	2.61	2.77
2013	2.49	3.79	2.45	0.27	3.91	2.48	2.50
2014	2.37	3.78	2.33	0.47	3.67	1.42	2.51
2015	2.37	3.78	2.33	0.38	3.79	1.54	2.46
2016	2.45	3.60	2.42	0.40	3.95	1.34	2.58
2017	2.53	3.52	2.50	0.47	4.01	1.28	2.67
2018	2.44	3.47	2.42	0.62	3.84	1.54	2.55
2019	2.29	3.27	2.27	0.55	3.62	1.54	2.38
2020	2.24	3.24	2.22	0.36	3.73	1.84	2.29
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	64.22	10.24	53.98	#	#	16.71	47.51
2009	89.68	10.46	79.21	#	#	20.06	69.62
2010	120.18	9.84	110.34	#	#	20.92	99.27
2011	163.76	9.32	154.44	#	#	24.53	139.23
2012	172.22	7.78	164.44	#	#	22.38	149.84
2013	145.86	7.45	138.41	#	#	21.01	124.85
2014	142.67	6.94	135.73	#	#	11.00	131.66
2015	150.20	6.40	143.80	#	#	9.87	140.33
2016	163.56	5.73	157.82	#	#	9.16	154.39
2017	188.37	5.36	183.01	#	#	9.80	178.58
2018	182.97	4.89	178.08	#	#	12.50	170.47
2019	165.51	4.35	161.16	#	#	12.55	152.96
2020	159.69	3.75	155.94	#	#	15.07	144.63

Source - DOT

: Rural -Urban breakup of population not available

20. Chennai

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	8.44	1.38	7.06	0.12	8.32	1.99	6.44
2009	10.63	1.40	9.23	0.12	10.51	2.14	8.50
2010	12.81	1.47	11.35	0.12	12.69	2.30	10.52
2011	14.38	1.48	12.90	0.11	14.27	2.53	11.86
2012	Included in Tamilnadu in year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.81	3.49	2.70	0.16	3.71	2.50	2.92
2009	2.47	3.70	2.36	0.10	3.43	2.39	2.50
2010	2.06	3.97	1.94	0.06	3.02	2.17	2.04
2011	1.70	4.27	1.59	0.04	2.53	2.01	1.65
2012	Included in Tamilnadu in year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	103.90	16.94	86.96	#	102.41	24.54	79.36
2009	127.38	16.82	110.56	#	125.91	25.61	101.77
2010	149.41	17.10	132.32	#	148.00	26.80	122.61
2011	163.40	16.83	146.57	#	162.12	28.71	134.70
2012	Included in Tamilnadu in year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							

Source - DOT

: Rural -Urban breakup of population not available

21. Delhi

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	18.70	2.42	16.28	0.00	18.70	3.18	15.52
2009	24.50	2.52	21.98	0.00	24.50	3.59	20.92
2010	31.01	2.71	28.30	0.34	30.67	3.94	27.07
2011	41.66	2.84	38.82	1.10	40.56	4.19	37.47
2012	45.40	2.91	42.49	1.78	43.63	4.45	40.95
2013	43.39	2.96	40.43	2.13	41.25	4.19	39.20
2014	45.69	3.10	42.58	2.37	43.32	3.91	41.78
2015	49.33	3.14	46.19	2.22	47.11	3.96	45.37
2016	50.42	3.17	47.24	2.26	48.16	3.93	46.48
2017	56.57	3.22	53.35	2.54	54.03	3.93	52.65
2018	57.45	3.19	54.26	2.96	54.49	3.82	53.64
2019	55.39	3.26	52.14	1.61	53.79	3.69	51.70
2020	56.58	3.18	53.40	1.73	54.85	3.58	53.00
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.22	6.14	6.24	0.00	8.35	4.00	7.03
2009	5.70	6.64	5.61	0.00	8.00	4.00	6.15
2010	4.99	7.34	4.84	0.17	7.29	3.72	5.25
2011	4.92	8.17	4.78	0.39	7.19	3.32	5.20
2012	4.77	9.05	4.62	0.54	7.03	3.42	4.99
2013	4.83	9.81	4.66	0.61	7.52	3.22	5.10
2014	4.90	10.89	4.71	0.63	7.80	3.26	5.14
2015	4.95	11.81	4.76	0.53	8.12	3.95	5.06
2016	4.76	12.57	4.57	0.50	7.87	3.62	4.89
2017	4.73	13.21	4.56	0.51	7.80	3.22	4.91
2018	4.74	13.99	4.56	0.56	7.94	2.90	4.97
2019	4.68	15.01	4.49	0.31	8.04	2.77	4.92
2020	4.81	16.62	4.61	0.33	8.37	2.65	5.09
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	110.05	14.24	95.81	#	#	18.72	91.33
2009	140.18	14.42	125.75	#	#	20.52	119.66
2010	172.49	15.08	157.41	#	#	21.93	150.57
2011	225.25	15.35	209.90	#	#	22.64	202.62
2012	245.48	15.75	229.73	#	#	24.06	221.43
2013	221.64	15.13	206.51	#	#	21.39	200.25
2014	226.84	15.41	211.43	#	#	19.41	207.43
2015	237.99	15.16	222.84	#	#	19.10	218.89
2016	236.29	14.86	221.43	#	#	18.44	217.86
2017	257.76	14.68	243.08	#	#	17.90	239.86
2018	254.49	14.14	240.35	#	#	16.91	237.58
2019	238.57	14.03	224.55	#	#	15.91	222.66
2020	236.99	13.32	223.67	#	#	14.98	222.01

Source - DOT

: Rural -Urban breakup of population not available

22. Mumbai

Telecom Subscribers (In Million)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	16.32	2.69	13.63	0.00	16.32	4.03	12.29
2009	22.11	2.88	19.23	0.00	22.11	4.47	17.64
2010	29.43	2.95	26.48	0.00	29.43	4.65	24.78
2011	37.79	2.99	34.80	0.00	37.79	4.75	33.04
2012	39.29	3.01	36.28	0.00	39.29	4.84	34.45
2013	33.36	2.99	30.37	0.13	33.23	4.27	29.09
2014	33.95	3.06	30.89	0.35	33.61	3.00	30.95
2015	33.73	3.06	30.67	0.68	33.06	3.14	30.59
2016	34.84	3.04	31.80	0.84	34.00	3.13	31.71
2017	39.62	3.04	36.58	1.40	38.23	3.16	36.46
2018	39.51	2.99	36.52	1.85	37.66	3.09	36.42
2019	40.93	2.92	38.01	1.64	39.29	3.00	37.93
2020	40.69	2.86	37.83	2.12	38.57	2.88	37.81
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.43	6.81	5.22	0.00	7.28	5.06	5.56
2009	5.15	7.59	4.91	0.00	7.22	4.99	5.19
2010	4.74	7.97	4.53	0.00	7.00	4.39	4.81
2011	4.47	8.61	4.29	0.00	6.70	3.77	4.59
2012	4.13	9.36	3.95	0.00	6.33	3.72	4.20
2013	3.71	9.88	3.50	0.04	6.05	3.28	3.79
2014	3.64	10.75	3.42	0.09	6.05	2.50	3.81
2015	3.39	11.52	3.16	0.16	5.70	3.13	3.42
2016	3.29	12.05	3.07	0.19	5.56	2.88	3.34
2017	3.32	12.47	3.13	0.28	5.51	2.59	3.40
2018	3.26	13.11	3.07	0.35	5.49	2.34	3.37
2019	3.46	13.46	3.27	0.32	5.87	2.25	3.61
2020	3.46	14.95	3.27	0.41	5.88	2.13	3.63
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	83.48	13.74	69.74	#	#	20.61	62.87
2009	110.52	14.40	96.12	#	#	22.34	88.18
2010	143.71	14.38	129.33	#	#	22.70	121.01
2011	180.44	14.29	166.16	#	#	22.70	157.75
2012	187.62	14.37	173.25	#	#	23.11	164.50
2013	152.44	13.64	138.80	#	#	19.52	132.92
2014	151.90	13.71	138.19	#	#	13.44	138.45
2015	147.81	13.42	134.39	#	#	13.77	134.04
2016	149.60	13.05	136.55	#	#	13.45	136.16
2017	166.77	12.80	153.96	#	#	13.30	153.47
2018	163.01	12.34	150.67	#	#	12.73	150.28
2019	165.62	11.82	153.81	#	#	12.15	153.48
2020	161.48	11.35	150.14	#	#	11.42	150.06

Source - DOT

: Rural -Urban breakup of population not available

IV – Operator Wise Statistics

Table 1 - Number of Subscribers (Public & Private Sector Operators)

		(In Million)	
At the end of March	Total - PSUs	Total Private	Grand Total
2008	79.55	220.94	300.49
2009	89.55	340.18	429.73
2010	105.87	515.41	621.28
2011	126.00	720.33	846.33
2012	130.27	821.08	951.35
2013	130.11	767.91	898.02
2014	120.05	812.96	933.02
2015	100.34	895.79	996.13
2016	108.65	950.68	1059.33
2017	122.18	1072.81	1194.99
2018	131.66	1080.14	1211.80
2019	133.51	1049.90	1183.41
2020	134.97	1041.82	1176.79

Source - DOT

Table 2 - Share of Public & Private Sector Operators in Total Subscribers (%)

At the end of March	PSUs	Private
2008	26.47	73.53
2009	20.84	79.16
2010	17.04	82.96
2011	14.89	85.11
2012	13.69	86.31
2013	14.49	85.51
2014	12.87	87.13
2015	10.07	89.93
2016	10.26	89.74
2017	10.22	89.78
2018	10.86	89.14
2019	11.28	88.72
2020	11.47	88.53

Source - DOT

**Table 3 - PSU Telecom Subscribers
in India (2008-2020)**

	(In Million)	
At the end of March	BSNL	MTNL
2008	72.34	7.21
2009	81.49	8.06
2010	97.28	8.59
2011	117.06	8.94
2012	120.98	9.29
2013	121.65	8.46
2014	113.14	6.91
2015	93.24	7.10
2016	101.58	7.06
2017	115.09	7.09
2018	124.75	6.90
2019	126.81	6.70
2020	128.52	6.45

Source - DOT

**Table 4 - PSU Operators'
percent share to Total (All
Operators) (2008-2020)**

At the end of March	BSNL	MTNL
2008	24.07	2.40
2009	18.96	1.87
2010	15.66	1.38
2011	13.83	1.06
2012	12.72	0.98
2013	13.55	0.94
2014	12.13	0.74
2015	9.36	0.71
2016	9.59	0.67
2017	9.63	0.59
2018	10.29	0.57
2019	10.72	0.57
2020	10.92	0.55

Source - DOT

Table 5 - Subscribers of Private Operators in India (2008-2020)

(In Million)														
At the end of March	Bharti Airtel	Reliance communications	Reliance -Jio	Vodafone *	TATA	Idea*	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U ninor	Stel	Etisalat DB Telcom	Videocon
2008	64.27	46.67	Started services from October, 2016	44.13	25.05	28.21	10.61	1.29	0.45	0.26	0.00	0.00	0.00	0.00
2009	96.65	73.77		68.77	36.04	43.02	18.48	2.16	0.55	0.73	0.00	0.00	0.00	0.00
2010	130.69	103.60		100.86	67.10	63.82	36.86	2.84	0.50	3.82	4.26	1.01	0.00	0.03
2011	165.50	136.95		134.57	90.42	89.50	54.84	3.09	1.66	10.10	22.79	2.82	0.97	7.11
2012	184.55	154.32		150.48	83.19	112.72	62.57	3.27	1.53	15.85	42.43	3.43	0.78	5.95
2013	191.48	124.22		152.39	67.92	121.61	60.07	3.01	1.56	11.96	31.68	0.00	0.00	2.01
2014	208.75	112.13		166.62	64.55	135.79	70.15	2.90	2.39	9.09	35.61	0.00	0.00	4.99
2015	229.43	110.65		183.88	67.99	157.81	81.40	0.00	2.96	8.92	45.62	0.00	0.00	7.13
2016	254.90	103.58		198.04	61.82	175.07	87.09	0.00	3.42	7.75	52.45	0.00	0.00	6.56
2017	277.51	84.68	108.68	209.20	50.74	195.37	90.90	0.00	0.26	4.97	50.49	0.00	0.00	0.00
2018	308.12	1.11	186.56	222.92	33.07	211.21	78.92	0.00	0.24	0.00	37.98	0.00	0.00	0.00
2019	329.36	0.75	306.72	395.17	17.68	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00
2020	332.21	0.52	387.52	319.62	1.77	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00

Source - DOT

Note: Aircel mobile data is till February 2018

*Subscription figure for Vodafone and Idea as a merged entity since 2019

Table 6 - Private Operators' Subscriber percent share to Total (All Operators) (2008-2020)

At the end of March	Bharti Airtel	Reliance communications	Reliance -Jio	Vodafone*	TATA	Idea*	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U ninor	Stel	Etisalat DB Telcom	Videocon
2008	21.39	15.53	Started services from October, 2016	14.68	9.39	9.39	3.53	0.43	0.15	0.09	0.00	0.00	0.00	0.00
2009	22.49	17.17		16.00	10.01	10.01	4.30	0.50	0.13	0.17	0.00	0.00	0.00	0.00
2010	21.03	16.68		16.23	10.27	10.27	5.93	0.46	0.08	0.62	0.69	0.16	0.00	0.01
2011	19.56	16.18		15.90	10.58	10.58	6.48	0.37	0.20	1.19	2.69	0.33	0.11	0.84
2012	19.40	16.22		15.82	11.85	11.85	6.58	0.34	0.16	1.67	4.46	0.36	0.08	0.63
2013	21.32	13.83		16.97	13.54	13.54	6.69	0.33	0.17	1.33	3.53	0.00	0.00	0.22
2014	22.37	12.02		17.86	14.55	14.55	7.52	0.31	0.26	0.97	3.82	0.00	0.00	0.53
2015	23.03	11.11		18.46	15.84	15.84	8.17	0.00	0.30	0.90	4.58	0.00	0.00	0.72
2016	24.06	9.78		18.69	16.53	16.53	8.22	0.00	0.32	0.73	4.95	0.00	0.00	0.62
2017	23.22	7.09	9.09	17.51	4.25	16.35	7.61	0.00	0.02	0.42	4.23	0.00	0.00	0.00
2018	25.43	0.09	15.40	18.40	2.73	17.43	6.51	0.00	0.02	0.00	3.13	0.00	0.00	0.00
2019	27.83	0.06	25.92	33.39	1.49	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
2020	28.23	0.04	32.93	27.16	0.15	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00

Source - DOT

Note: Aircel mobile data is till February 2018

*Subscription figure for Vodafone and Idea as a merged entity since 2019

V – Financials of Telecom Operators

**Statement of Gross Revenue and Adjusted Gros Revenue for the quarter
ended 31st Mar., 2020 of
F.Y. 2019-20**

Name of Company	Circle	License	(Figures are Rupees in crore)	
			Gross Revenue	AGR
Bharti Airtel Ltd.	AP	UL	1,434.00	1,075.00
	Assam	UASL	369.00	249.00
	Bihar	UASL	1,308.00	637.00
	TN & Chennai	UASL	1,348.00	1,050.00
	Delhi	UL	1,284.00	595.00
	Gujarat	UASL	570.00	293.00
	Haryana	UASL	280.00	140.00
	HP	UL	150.00	90.00
	J&K	UASL	209.00	14.00
	Karnataka	UL	1,626.00	1,165.00
	Kerala	UASL	324.00	217.00
	Kolkata	UL	297.00	186.00
	MP	UASL	585.00	383.00
	Maharashtra	UASL	917.00	603.00
	Mumbai	UASL	700.00	330.00
	Orissa	UASL	441.00	275.00
	Punjab	UL	565.00	346.00
	UP-East	UASL	1,241.00	648.00
	UP(W)	UASL	642.00	364.00
	West Bengal	UASL	573.00	342.00
	All India	NLD	3,220.00	2,428.00
	All India	ILD	1,348.00	463.00
	All India	ISP	1,238.00	31.00
	All India	VSAT	31.00	31.00
Bharti Hexacom Ltd.	North East	UL	239.00	155.00
	Rajasthan	UL	889.00	580.00

Name of Company	Circle	License	Gross Revenue	AGR
BSNL	AP	Basic	65.22	65.01
		Mobile	184.25	168.60
	Assam	Basic	65.04	65.04
		Mobile	22.88	22.88
	Bihar	Basic	18.21	18.21
		Mobile	32.41	30.07
	Kolkata	Basic		
		Mobile	32.49	30.83
	Chennai	Basic		
		Mobile	22.26	17.26
	Gujarat	Basic	54.42	53.49
		Mobile	78.96	76.30
	Haryana	Basic	216.10	206.18
		Mobile	52.72	52.72
	HP	Basic	8.91	7.31
		Mobile	16.89	12.86
	J&K	Basic	3.69	2.76
		Mobile	19.59	16.06
	Karnataka	Basic	58.13	58.13
		Mobile	91.39	91.39
	Kerala	Basic	44.69	42.13
		Mobile	140.30	133.81
	MP	Basic	81.55	80.07
		Mobile	125.27	122.10
	Maharashtra	Basic	82.30	82.30
		Mobile	91.20	62.73
	North East	Basic	14.15	14.10
		Mobile	17.39	17.37
	Orissa	Basic	13.83	13.83
		Mobile	58.84	37.26
	Punjab	Basic	13.67	13.67
		Mobile	116.38	74.29
	Rajasthan	Basic	27.16	26.47
		Mobile	56.81	53.65
	Tamilnadu	Basic	108.74	107.17
		Mobile	122.35	104.38
	UP-East	Basic	36.67	36.67
		Mobile	70.50	70.50
	UP(W)	Basic	26.85	24.43
		Mobile	66.31	66.31
	West Bengal	Basic	48.36	47.76
		Mobile	51.13	48.20
	All India	NLD	1216.78	1216.78
	All India	ILD	44.11	42.97
	All India	ISP	961.98	64.15
	All India	VSAT	0.04	0.04
		others	9.66	9.66

Name of Company	Circle	License	Gross Revenue	AGR
Quadrant Televentures Ltd	Punjab	UL	55.60	0.06
	Punjab	ISP	47.04	-
MTNL	Delhi	Basic+WLL	125.43	125.43
	Mumbai	Basic+WLL	272.91	272.91
	Delhi	Mobile	37.57	34.43
	Mumbai	Mobile	21.30	21.12
	Delhi & Mumbai	ISP	101.14	0.35
	Delhi & Mumbai	NLD	0.06	0.060
Reliance Communication Ltd.	AP	UASL	11.37	10.24
	Bihar	UASL	2.54	2.27
	Delhi	UASL	12.78	9.97
	Gujarat	UASL	1.33	0.95
	Haryana	UASL	0.91	0.73
	HP	UASL	0.12	0.07
	J&K	UASL	0.01	0.00
	Karnataka	UASL	7.43	6.58
	Kerala	UASL	2.97	2.73
	Kolkata	UASL	1.41	1.03
	MP	UASL	1.55	1.20
	Maharashtra	UASL	4.64	3.98
	Mumbai	UASL	23.52	18.85
	Orissa	UASL	0.18	0.12
	Punjab	UASL	1.82	1.58
	Rajasthan	UASL	1.78	1.46
	TN incl. Ch	UASL	7.31	6.11
	UP-East	UASL	1.03	0.71
	UP(W)	UASL	0.60	0.38
	West Bengal	UASL	0.69	0.61
	All India	NLD	99.44	99.16
	All India	ILD	9.88	1.10

Name of Company	Circle	License	Gross Revenue	AGR
Tata Teleservices Ltd.	AP	UL	62.57	55.66
	Assam	UASL		
	Bihar	UASL	9.44	8.00
	Delhi	UASL	70.65	61.56
	Gujarat	UASL	30.29	27.83
	Haryana	UASL	12.75	11.17
	HP	UASL	1.19	0.99
	J&K	UASL		
	Karnataka	UASL	144.67	122.93
	Kerala	UASL	7.82	4.25
	Kolkata	UASL	24.32	22.33
	MP	UASL	8.01	6.67
	North East	UASL		
	Orissa	UASL	5.75	5.21
	Punjab	UASL	5.85	4.78
	Rajasthan	UASL	8.80	7.55
	TN (inc.Ch)	UASL	51.27	46.34
	UP-East	UASL	7.87	6.77
	UP(W)	UASL	4.69	3.93
	West Bengal	UASL	6.84	5.81
	All India	NLD	69.12	67.86
Tata Teleservices (Maharashtra) Ltd.	Maharashtra	UL	94.68	90.19
	Mumbai	UL	185.31	172.22
	Maharashtra	ISP-IT		
Vodafone Idea Ltd.	Mumbai	UL	949.34	426.30
	Delhi	UL	1,101.05	322.85
	Kerala	UASL	898.24	875.70
	Maharashtra	UASL	1,607.87	1,212.01
	Tamilnadu	UASL	913.84	660.70
	Kolkata	UL	341.01	206.16
	AP	UASL	709.64	543.88
	Chennai	UASL		
	Karnataka	UASL	596.06	349.87
	Punjab	UASL	451.92	277.86
	UP(W)	UASL	829.22	390.25
	West Bengal	UASL	612.07	323.57
	All India	NLD	3,531.50	3,049.69
	All India	ILD	620.82	320.80
	Haryana	UL	408.85	152.52
	Rajasthan	UASL	544.16	257.86
	UP-East	UASL	1,028.97	319.45
	Gujarat	UASL	1,205.10	784.20
	Bihar	UASL	454.04	110.23
	MP	UASL	738.86	463.60
	Assam	UASL	147.12	82.85
	North East	UASL	70.77	37.07
	J&K	UASL	19.94	5.32
	Orissa	UASL	99.79	49.57
	HP	UASL	38.38	14.79
	All India	ISP	272.24	3.63

Name of Company	Circle	License	Gross Revenue	AGR
Reliance Jio Infocomm Ltd. (erstwhile Infotel Broadband Services Ltd.)	AP	UL	1,217.43	1,035.49
		PMRTS	-	-
	Assam	UL	366.74	325.86
		PMRTS	-	-
	Bihar	UL	1,360.97	1,170.64
		PMRTS	-	-
	TN & Chennai	UL	983.77	876.80
		PMRTS	-	-
	Delhi	UL	820.08	582.10
		PMRTS	-	-
	Gujarat	UL	951.14	794.20
		PMRTS	-	-
	Haryana	UL	363.57	309.93
		PMRTS	-	-
	HP	UL	146.96	129.23
		PMRTS	-	-
	Northeast	UL	156.48	138.46
		PMRTS	-	-
	J&K	UL	163.43	139.07
		PMRTS	-	-
	Karnataka	UL	793.37	606.40
		PMRTS	-	-
	Kerala	UL	339.43	297.76
		PMRTS	-	-
	Kolkata	UL	369.93	211.51
		PMRTS	-	-
	MP	UL	1,250.00	1,118.79
		PMRTS	-	-
	Maharashtra	UL	1,305.20	1,104.11
		PMRTS	-	-
	Mumbai	UL	620.19	432.88
		PMRTS	-	-
	Orissa	UL	516.50	452.04
		PMRTS	-	-
	Punjab	UL	546.35	477.38
		PMRTS	-	-
	UP-East	UL	1,172.89	983.39
		PMRTS	-	-
	UP(W)	UL	790.00	686.45
		PMRTS	-	-
	Rajasthan	UL	979.04	869.45
		PMRTS	-	-
	West Bengal	UL	784.29	686.13
		PMRTS	-	-
	All India	NLD	1,203.40	233.87
	All India	ILD	156.58	48.37
	All India	ISP	61.05	61.05
	All India	VSAT	-	-
	All India	Resale of IPLC	-	-
	All India	INSAT-MSS	-	-

VI – Telecom Revenue

Table 1 - Revenue from Telecom Services (₹ crore) (2007-2020)

Year ending	Telecom Sector #		Access Services #		Licence Fee@	Spectrum Usage Charges (SUC)\$	Spectrum Auction related Proceeds\$
	Gross Revenue (March Qtr. Ending)	Adjusted Gross Revenue (March Qtr. Ending)	Adjusted Gross Revenue (March Qtr. Ending)	ARPU per month (In ₹) (March Qtr. Ending)			
2007	-	-	-	-	7037.92	-	-
2008	-	-	-	-	8855.24	-	-
2009	40444.66	29725.37	-	-	9511.00	-	-
2010	40265.12	28829.53	23386.04	132.00	9778.52	-	-
2011	45513.05	31470.63	24500.33	100.00	10286.44	3435.00	106262.26*
2012	49242.99	34457.07	27408.03	97.24	11790.93	5183.00	1722.24
2013	54283.78	35279.50	27801.94	103.66	11456.48	5690.00	Nil
2014	60716.21	41016.13	31922.39	115.28	12955.00	6884.00	18267.00
2015	65226.73	45157.78	35938.26	121.81	12358.00	7051.00	10791.00
2016	68335.39	48379.00	39885.55	126.91	15771.00	7622.00	28243.00
2017	63315.18	40831.33	31594.91	89.34	15615.00	7048.00	46653.00
2018	62198.26	35697.24	25448.09	71.62	13262.00	4984.00	11860.00
2019	58414.36	35932.44	26095.71	72.49	11134.00	4028.00	24894.00
2020	67533.74	44940.32	34495.87	97.64	39648.00	11386.00	24947.00

- : Not Available * Entire bid amount was received upfront.

Source- # : Quarterly Performance Indicator Reports of TRAI, @ : Annual Reports of DOT, \$ O/o DDG (WPF) - AO (WF), DoT

Table 1A - Revenue from Telecom Services (2007-2020)

Year	ARPU (₹/ subscriber/ month) March Qtr. Ending (in ₹)#		Gross Revenue (₹crore)*	Adjusted Gross Revenue	Wireless Data Revenue (₹crore)*	Average revenue realization per subscriber for Per GB wireless data (in ₹) *	Average Revenue for wireless data usage per data subscriber per month (in ₹) *
	GSM	CDMA					
2007	298.00	202.00	NA	NA	NA	NA	NA
2008	264.00	159.00	NA	NA	NA	NA	NA
2009	205.00	99.00	NA	NA	NA	NA	NA
2010	131.00	76.00	NA	NA	NA	NA	NA
2011	100.00	66.00	NA	NA	NA	NA	NA
2012	97.37	75.29	NA	NA	NA	NA	NA
2013	105.00	95.25	NA	NA	NA	NA	NA
2014	113.44	104.98	NA	NA	22,265	268.97	71.25
2015	120.68	108.21	2,60,601	1,84,636	31,120	226.3	90.03
2016	124.85	103.54	2,79,591	1,98,207	35,079	75.57	89.18
2017	82.68	131.34	2,55,655	1,60,814	38,882	19.35	79.98
2018	76.04	79.32	2,37,417	1,44,446	54,671	11.78	90.02
2019	71.39		2,43,705	1,53,272	59,334	7.77	76.59
2020	91.49		NA	NA	NA	NA	NA

Source- #Quarterly Performance Indicator Reports of TRAI; *Yearly Performance Indicator Reports of TRAI * Calander Year Note : NA - Not Available; Wireless = GSM+CDMA

Table 2 - Composition of ARPU per month and %age Share of Revenue - Wireless Service (In ₹)

S.No.	Item	2020	
		Revenue (excl. service tax) per subscriber per month for the Year 2018 (In ₹)	%age share
1	Rental Revenue	0.91	0.89
2	Revenue from Call	18.21	17.73
3	Revenue from SMS	0.84	0.82
4	Revenue from data usage	75.73	73.75
5	Revenue from other VAS	1.54	1.50
6	Other Revenue	4.37	4.26
7	Revenue from Out roamers (Outside HAS)	1.08	1.05
8	Total Revenue from subscribers	102.68	100.00
9	Net inter-operator settlement charges receivable *	-11.18	
10	Net Revenue (ARPU) per month	91.49	

Source: TRAI - Quarterly Performance Indicators Report *Includes inter-connect usage charges & Roaming Settlement Charges

Table 3 - Average Revenue Per User (ARPU) per month (₹)

Category	Postpaid		Prepaid		Blended	
	2018	2019	2018	2019	2018	2019
Circle A	335.54	298.23	68.90	76.40	82.54	86.75
Circle B	305.79	271.25	57.64	64.02	62.86	67.91
Circle C	233.39	176.68	61.02	64.58	65.05	68.20
Metro	316.67	237.94	28.62	43.31	68.44	72.44
All India	315.59	259.02	59.42	66.48	70.55	74.88

Note: Categories assigned to circles' have been defined in Annexure-II

Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2019.

Table 3A - Composition of Average Revenue Per User (ARPU) per month (₹)

Sl.	Item	Revenue (excl. service tax) per subscriber per month for the Year 2018	Revenue (excl. service tax) per subscriber per month for the Year 2019
1	Rental Revenue	22.99	31.07
2	Revenue from calls	13.55	8.12
3	Revenue from SMS	1.4	0.85
4	Revenue from data usage	41.05	42.37
5	Revenue from VAS	2.68	2.22
6	Other revenue	2.25	2.12
7	Revenue from Outroamers (outside HSA)	1.78	1.48
8	Total revenue from subscribers	85.69	88.23
9	Net inter-operable settlement charges receivable	-15.14	-13.35
10	Net Revenue (ARPU)	70.55	74.88

Source: Yearly Performance Indicator Report, TRAI

*VII – Base Transceiver
Stations (BTS) &
Telecom Tower Count
for the country*

Table 1 - LSA-wise Total Towers Count

Sl. No.	License Service Area	As on 31st March 2020							
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	Total Towers
1	Andhra Pradesh	328	1212	22888	6633	6495	7612	11	45179
2	Assam	47	9	11236	512	324	1639		13767
3	Bihar	100	438	32535	6035	892	4169	1	44170
4	Delhi	694	1759	1758	5713	7635	10132	156	27847
5	Gujarat	200	5771	17667	3625	5335	3407	76	36081
6	Himachal Pradesh	11	77	5326	1017	287	457	5	7180
7	Haryana	138	245	8875	1476	407	2098		13239
8	Jammu & Kashmir	136	132	7677	987	291	658	4	9885
9	Karnataka	114	686	20960	4705	4454	7728	73	38720
10	Kolkata	26	189	2784	3750	3407	3787	103	14046
11	Kerala	102	134	11712	807	1019	4174	23	17971
12	Mumbai	104	671	1202	3482	8430	2491	325	16705
13	Maharashtra	401	1523	24827	4586	4388	10722	37	46484
14	Madhya Pradesh	339	1896	31050	4081	2283	4158	2	43809
15	North-East	29	35	7732	346	248	954	1	9345
16	Odisha	158	163	16657	549	439	1528	2	19496
17	Punjab	328	932	10197	2360	2294	4849	2	20962
18	Rajasthan	339	2660	22243	2971	1084	3096	17	32410
19	Tamil Nadu	93	1226	26269	2325	2494	12940	34	45381
20	Uttar Pradesh (East)	219	1938	28496	1761	1265	4443	3	38125
21	Uttar Pradesh(West)	254	1045	21239	3143	1282	3445	10	30418
22	West Bengal	143	107	20723	970	638	1863	3	24447
Grand Total		4303	22848	354053	61834	55391	96350	888	595667

Source: Tarang Sanchar, DGT, DoT

Table - 2 LSA-wise and Technology-wise BTSs

Sl. No.	License Service Area	As on 31st March 2020			
		2G BTSs	3G BTSs	4G-LTE	Total BTSs
1	Andhra Pradesh	35391	23538	104715	163644
2	Assam	13353	6962	29335	49650
3	Bihar	30220	7804	91394	129418
4	Delhi	21959	12076	66281	100316
5	Gujarat	26307	14631	89335	130273
6	Himachal Pradesh	5385	3377	15002	23764
7	Haryana	10831	6643	32118	49592
8	Jammu & Kashmir	8718	5438	23245	37401
9	Karnataka	34265	11565	96495	142325
10	Kolkata	10401	6785	32281	49467
11	Kerala	21095	13379	53647	88121
12	Mumbai	14009	5660	40331	60000
13	Maharashtra	41274	24399	114972	180645
14	Madhya Pradesh	30933	12527	101242	144702
15	North-East	9322	4598	18465	32385
16	Odisha	17735	4727	40934	63396
17	Punjab	18346	9484	51681	79511
18	Rajasthan	26959	18127	79251	124337
19	Tamil Nadu	46039	22310	104925	173274
20	Uttar Pradesh (East)	32945	21618	101177	155740
21	Uttar Pradesh(West)	23336	13226	77286	113848
22	West Bengal	22825	13411	64898	101134
Grand Total		501648	262285	1429010	2192943

Source: Tarang Sanchar, DGT, DoT

VIII – Foreign Direct Investment (FDI)

Table - 1 FDI EQUITY INFLOWS (2001-2020)

At the end of March	Total (US\$ Million)	Telecom Sector (US\$ Million)	Share of Telecom Sector (%)
2001	2379	178	7.48
2002	4028	873	21.67
2003	2705	192	7.10
2004	2188	86	3.93
2005	3,219	118	3.67
2006	5,540	618	11.16
2007	12,492	477	3.82
2008	24,575	1,261	5.13
2009	31,396	2,549	8.12
2010	25,834	2,539	9.83
2011	21,383	1,665	7.78
2012	35,121	1,997	5.69
2013	22,423	304	1.36
2014	24,299	1,307	5.38
2015	29,737	2,895	9.74
2016	40,001	1,324	3.31
2017	43,478	5,564	12.80
2018	44,857	6,212	13.85
2019	44,366	2,668	6.01
2020	49,977	4,445	8.89

Source - DoT

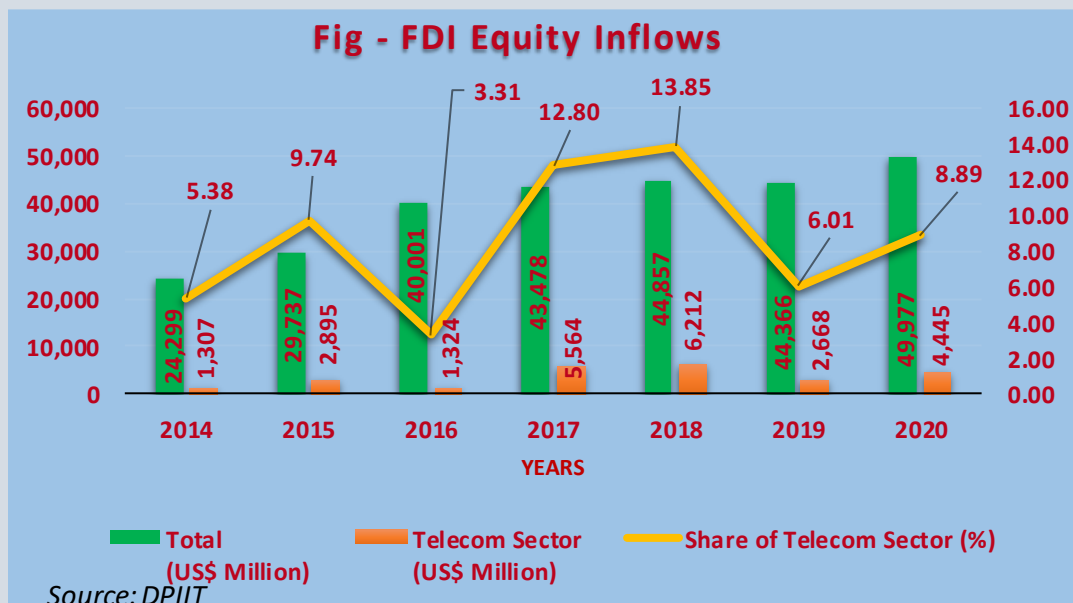


Table 2 - Country-wise FDI Equity Inflows in Telecommunications Sector- Top 5 countries (April 2000- March 2020)					
(in US \$ million)					
Year	Mauritius	Singapore	Japan	Russia	U.S.A.
2000-01	105.30	0.00	0.00	0.00	26.03
2001-02	835.05	0.62	1.46	0.00	8.09
2002-03	132.55	0.00	0.00	0.00	0.01
2003-04	61.21	0.06	0.00	0.00	5.39
2004-05	100.37	0.19	0.10	0.00	12.62
2005-06	540.90	0.82	52.74	0.00	11.36
2006-07	360.07	14.95	0.18	0.00	21.72
2007-08	1117.41	3.02	0.00	0.00	22.57
2008-09	1890.99	14.31	141.56	304.72	17.80
2009-10	1426.71	592.10	114.46	0.00	69.08
2010-11	339.56	825.67	3.14	89.76	48.13
2011-12	1822.75	85.96	4.52	0.00	24.96
2012-13	284.94	0.49	0.00	0.00	12.05
2013-14	95.73	1191.83	2.36	0.00	13.88
2014-15	2101.28	291.67	0.00	451.83	27.00
2015-16	787.29	373.39	85.79	0.31	35.95
2016-17	2854.66	1023.58	1574.58	0.00	3.24
2017-18	5966.61	18.08	177.76	0.00	12.40
2018-19	666.53	1886.22	0.62	0.00	15.20
2019-20	3004.47	1280.48	127.17	0.00	12.27
Total	24494.38	7603.44	2286.44	846.62	399.75
Source: DoT					

**Table 3 - Sector-wise FDI Equity Inflows in India - Top 5 Sectors
(April 2000- March 2020)**

(in US \$ million)					
Year	SERVICES SECTOR (Fin.,Banking,Insurance,Non Fin/Business,Out sourcing,R&D,Courier,Tech. Testing and Analysis, Other)	COMPUTER SOFTWARE& HARDWARE	TELECOMMUNICATIONS	TRADING	CONSTRUCTION DEVELOPMENT: Townships,housing, built- up infrastructure and construction- development projects
2000-01	71.38	228.39	177.69	11.49	24.33
2001-02	187.95	419.39	873.23	43.27	51.75
2002-03	296.34	314.24	191.60	38.13	36.10
2003-04	271.15	368.32	86.49	31.12	47.04
2004-05	456.15	527.90	118.33	14.22	152.06
2005-06	548.61	1359.97	617.98	28.93	228.71
2006-07	4713.78	2613.33	476.51	114.65	1392.95
2007-08	6986.17	1382.25	1260.70	345.02	3887.33
2008-09	6183.49	1543.34	2548.63	643.64	4657.51
2009-10	4174.53	871.86	2539.26	737.95	5466.13
2010-11	3296.09	779.81	1664.50	498.04	1663.03
2011-12	5215.98	796.35	1997.24	731.55	3140.78
2012-13	4832.98	485.96	303.87	717.80	1332.49
2013-14	2225.10	1126.27	1306.95	1343.39	1226.05
2014-15	3250.03	2296.04	2894.94	2727.96	769.14
2015-16	6889.46	5904.36	1324.40	3845.32	112.55
2016-17	8684.07	3651.71	5563.69	2338.40	105.14
2017-18	6708.58	6153.20	6211.84	4348.13	539.57
2018-19	9157.54	6415.21	2667.91	4462.13	213.15
2019-20	7853.58	7673.32	4445.16	4573.82	616.54
Total	82002.96	44911.22	37270.92	27594.96	25662.35

Source: DoT

IX – Exports - Imports

Table 1 - India's Exports By Telecom Equipment From April 2016 To March 2020

Export of Telecom equipment		Unit	2016-17	2017-18	2018-19	2019-20
Hs Code	Commodity		Quantity	Quantity	Quantity	Quantity
85171110	PUSH BUTTON TYPE	NOS	68416	52826	52631	80272
85171190	OTHERS	NOS	210790	180253	121400	364333
85171210	PUSH BUTTON TYPE	NOS	301347	97867	1033644	11891360
85171290	OTHER	NOS	1736159	2147731	16658991	32200083
85171810	PUSH BUTTON TYPE	NOS	45871	16052	35144	83301
85171890	OTHER	NOS	573449	513420	839812	858477
85176100	BASE STATIONS	NOS	2661	19383	4340	3234
85176210	PLCC EQUIPMENT	NOS	8020	6078	20879	3871
85176220	VOICE FREQUENCY TELEGRAPHY	NOS	11606	10503	1515	528
85176230	MODEMS (MODULATORS-DEMULATORS)	NOS	90155	112042	223181	159298
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	409	610	25	96
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	6983	682	783	1778
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	216	1179	4309	2127
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	65390	15066	15805	4791
85176290	OTHER	NOS	832898	1896510	1837145	2802094
85176910	ISDN TERMINALS	NOS	110	2955	82	98
85176920	ISDN TERMINAL ADAPTERS	NOS	2546	612	1948	7719
85176930	ROUTERS	NOS	26429	265291	253764	198444
85176940	X25 PADS	NOS	-	-	-	2
85176950	SUBSCRIBER END EQUIPMENT	NOS	-	616	3885	3218
85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	184765	52483	78909	13376
85176970	ATTACHMENTS FOR TELEPHONES	NOS	1308	17486	6647	17732
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	221441	299816	1800241	1812212
85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	NOS	354168	2585603	4163256	8902241
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	9378820	4090599	3842461	2913470
85195000	TELEPHONE ANSWRNG MCHNS	NOS	10	1000	27	6
85235210	SIM CARDS	NOS	445600802	414594270	384866478	415749202
85255040	COMMUNICATION JAMMING EQUIPMENT	NOS	-	1002	-	-
85256011	WALKIE TALKIE SET	NOS	1882	1938	1688	1817
85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	2	4	4	40
85256013	AMATEUR RADIO EQUIPMENT	NOS	56	25763	137	647
85256019	CORDLESS HANDSET	NOS	23078	4008	688	952
85256091	VSAT TERMINALS	NOS	472	350	-	1
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	768	35	34	27
85256099	OTHERS	NOS	69422	5164	2990	618
85279911	RADIO PAGERS	NOS	-	-	3635	195
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	NOS	2071	144	3969	783
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	330	866	9089	907
85291019	DISH ANTENNA FR OTHR USE	NOS	421638	727682	869968	827208
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	-	10	-	-
85291029	OTHR ANTENNA FR OTHR USE	NOS	145583	601610	362798	239051
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	-	13	19	90
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	-	1530	-	10
85291099	AERIAL PARTS FR OTHR USE	NOS	64910	706008	240593.00	142303
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	137816	53450	35218.00	15477
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	41751	5765079	3825256.00	8503209
85299090	OTHE PARTS FR OTHR USE	NOS	978088	3935931	10902423.00	22484545
85442010	CO-AXIAL CABLE	MTR	574686	1816818	1861098.00	20985856
85442090	OTHR CO-AXL ELCTRL CNDUCTORS EXCL CO-AXL CABLE	MTR	1722933	4293215	3352426.00	6125675
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	4724	3350	4070.00	1882
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	70335	763727	804966.00	963708
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	857	32077	299.00	1416
85444299	OTHR ELCTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	MTR	1774274	11418672	13743564.00	13374424
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	50296	210836	20177.00	20145
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	828994	3613506	5853756.00	6768407
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	9947	12050	7495.00	123067
85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	5405296	29349747	49128687.00	74522027
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	MTR	2231863	17985927	37040073.00	24314291
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	12982139	16484352	13252271.00	10523083

Source: O/o Director (IP), DoT

Table 1A - India's Exports By Telecom Equipment From April 2016 To March 2020					
Export of Telecom equipment		(₹ in lakhs)			
Hs Code	Commodity	2016-17	2017-18	2018-19	2019-20
85171110	PUSH BUTTON TYPE	874.41	588.47	451.10	1217.03
85171190	OTHERS	8170.04	2484.23	3550.35	6824.57
85171210	PUSH BUTTON TYPE	6077.97	1669.40	10261.81	692959.29
85171290	OTHER	108782.48	135051.09	1129329.66	2029530.76
85171810	PUSH BUTTON TYPE	484.93	824.71	213.89	317.24
85171890	OTHER	7258.85	5596.56	6149.83	8750.49
85176100	BASE STATIONS	588.66	8728.72	1608.06	671.84
85176210	PLCC EQUIPMENT	1496.30	2679.61	3491.91	1794.62
85176220	VOICE FREQUENCY TELEGRAPHY	1444.41	1280.84	187.07	256.77
85176230	MODEMS (MODULATORS-DEMODULATORS)	3186.64	3918.83	3178.32	3110.86
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	80.35	13.86	7.42	53.97
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	1201.69	608.82	221.89	221.61
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	58.81	609.27	2549.76	3517.26
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	15005.02	12892.35	10208.28	6201.69
85176290	OTHER	111027.54	313920.06	426871.47	318381.25
85176910	ISDN TERMINALS	64.82	119.24	525.33	82.43
85176920	ISDN TERMINAL ADAPTERS	17.62	66.51	92.89	252.16
85176930	ROUTERS	3208.01	6297.62	7660.09	7809.15
85176940	X25 PADS	-	-	-	0.02
85176950	SUBSCRIBER END EQUIPMENT	-	96.35	94.92	21.38
85176960	SET TOP BOXES FOR ACCESSING INTERNET	1818.15	300.12	625.66	111.19
85176970	ATTACHMENTS FOR TELEPHONES	63.87	151.11	352.56	61.31
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	40306.14	51586.98	26289.43	20202.57
85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	24776.11	28592.69	51019.30	104548.04
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	329974.62	138028.74	129348.83	112054.49
85195000	TELEPHONE ANSWRNG MCHNS	0.08	4.85	0.91	0.08
85235210	SIM CARDS	61147.48	46940.00	42218.96	40778.57
85255040	COMMUNICATION JAMMING EQUIPMENT	-	4.68	-	-
85256011	WALKIE TALKIE SET	207.83	264.68	424.62	589.11
85256012	MARINE RADIO COMMUNICATION EQPMNT	0.48	3.61	20.82	98.04
85256013	AMATEUR RADIO EQUIPMENT	50.14	148.83	132.75	61.32
85256019	CORDLESS HANDSET	1028.20	2698.08	840.57	484.37
85256091	VSAT TERMINALS	34.53	59.29	-	0.98
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	22.13	98.77	61.35	20.86
85256099	OTHERS	3760.97	544.15	360.65	290.98
85279911	RADIO PAGERS	-	-	4.40	0.22
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	7.67	7.85	25.42	1.12
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	18.97	77.32	863.82	133.03
85291019	DISH ANTENNA FR OTHR USE	3616.30	2446.41	7345.37	3829.78
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	-	0.13	-	-
85291029	OTHR ANTENNA FR OTHR USE	3298.17	4471.38	4190.02	5274.80
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	-	0.22	0.18	0.87
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	-	6.65	-	9.79
85291099	AERIAL PARTS FR OTHR USE	4698.34	640.33	3809.13	11233.48
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	1977.66	1376.76	676.86	632.34
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	4693.67	3715.94	4004.60	4032.38
85299090	OTHE PARTS FR OTHR USE	81533.45	43349.22	64876.50	96078.11
85442010	CO-AXIAL CABLE	6759.13	1837.21	1972.89	6518.47
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	6481.13	5195.06	5631.90	11306.01
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	34.11	8.54	20.66	9.40
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	735.24	1481.20	2043.63	2303.63
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	36.06	141.45	0.64	18.56
85444299	OTHR ELTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	26065.72	27696.06	40887.97	49368.14
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	637.38	417.69	91.40	113.15
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	2028.82	2182.21	3609.02	6223.51
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	42.82	33.85	22.54	210.87
85444999	OTHR ELTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	21234.04	31831.79	49181.28	51521.81
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	14220.37	16577.45	21339.85	22089.97
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	155898.23	191934.96	189323.12	164158.31

Source: O/o Director (IP), DoT

Table 1B - India's Exports By Telecom Equipment From April 2016 To March 2020

Export of Telecom equipment		(US \$ in million)			
Hs Code	Commodity	2016-17	2017-18	2018-19	2019-20
85171110	PUSH BUTTON TYPE	1.31	0.91	0.64	1.71
85171190	OTHERS	12.17	3.85	5.05	9.65
85171210	PUSH BUTTON TYPE	9.07	2.59	14.58	961.02
85171290	OTHER	162.48	209.41	1602.17	2867.40
85171810	PUSH BUTTON TYPE	0.72	1.28	0.31	0.44
85171890	OTHER	10.83	8.70	8.82	12.24
85176100	BASE STATIONS	0.88	13.54	2.36	0.94
85176210	PLCC EQUIPMENT	2.23	4.15	5.04	2.50
85176220	VOICE FREQUENCY TELEGRAPHY	2.16	1.99	0.27	0.36
85176230	MODEMS (MODULATORS-DEMULATORS)	4.75	6.11	4.62	4.33
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	0.12	0.02	0.01	0.07
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	1.79	0.94	0.32	0.31
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	0.09	0.94	3.62	4.94
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	22.37	20.02	14.55	8.67
85176290	OTHER	165.56	486.76	612.03	444.33
85176910	ISDN TERMINALS	0.10	0.18	0.79	0.12
85176920	ISDN TERMINAL ADAPTERS	0.03	0.10	0.13	0.36
85176930	ROUTERS	4.79	9.77	10.95	11.03
85176940	X25 PADS	-	-	-	0.00
85176950	SUBSCRIBER END EQUIPMENT	-	0.15	0.13	0.03
85176960	SET TOP BOXES FOR ACCESSING INTERNET	2.72	0.47	0.89	0.16
85176970	ATTACHMENTS FOR TELEPHONES	0.10	0.23	0.51	0.09
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	60.10	80.03	37.62	28.38
85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	36.92	44.37	73.26	145.52
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	492.41	214.08	186.10	157.38
85195000	TELEPHONE ANSWRNG MCHNS	0.00	0.01	0.00	0.00
85235210	SIM CARDS	91.15	72.83	60.59	57.19
85255040	COMMUNICATION JAMMING EQUIPMENT	-	0.01	-	-
85256011	WALKIE TALKIE SET	0.31	0.41	0.60	0.83
85256012	MARINE RADIO COMMUNICATION EQPMNT	0.00	0.01	0.03	0.14
85256013	AMATEUR RADIO EQUIPMENT	0.07	0.23	0.19	0.09
85256019	CORDLESS HANDSET	1.54	4.19	1.19	0.68
85256091	VSAT TERMINALS	0.05	0.09	-	0.00
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	0.03	0.15	0.09	0.03
85256099	OTHERS	5.61	0.85	0.52	0.41
85279911	RADIO PAGERS	-	-	0.01	0.00
85291011	DISH ANTENNA FR COMMNCN JAMMNG EQPTMNTS	0.01	0.01	0.04	0.00
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.03	0.12	1.23	0.19
85291019	DISH ANTENNA FR OTHR USE	5.39	3.80	10.71	5.42
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	-	0.00	-	-
85291029	OTHR ANTENNA FR OTHR USE	4.92	6.93	5.97	7.42
85291091	AERIAL PARTS FR COMMNCN JAMMNG EQPTMNTS	-	0.00	0.00	0.00
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	-	0.01	-	0.01
85291099	AERIAL PARTS FR OTHR USE	7.01	0.99	5.52	15.68
85299010	OTHE PARTS FR COMMNCN JAMMNG EQPTMNTS	2.95	2.14	0.96	0.88
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	7.00	5.76	5.73	5.71
85299090	OTHE PARTS FR OTHR USE	121.72	67.24	92.95	134.52
85442010	CO-AXIAL CABLE	10.02	2.85	2.83	9.12
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	9.67	8.07	8.07	15.84
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.05	0.01	0.03	0.01
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	1.10	2.30	2.92	3.22
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	0.05	0.22	0.00	0.03
85444299	OTHR ELCTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	38.88	42.96	58.49	69.08
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.95	0.65	0.14	0.16
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	3.03	3.39	5.12	8.71
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	0.06	0.05	0.03	0.30
85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	31.62	49.38	70.40	72.18
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	21.21	25.70	30.56	30.91
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	232.32	297.73	271.67	230.18

Source: O/o Director (IP), DoT

Table 2 - India's Imports By Telecom Equipment From April 2016 To March 2020

Import of Telecom equipment		Unit	2016-17	2017-18	2018-19	2019-20
Hs Code	Commodity		Quantity	Quantity	Quantity	Quantity
85171110	PUSH BUTTON TYPE	NOS	448986	769629	635484	656268
85171190	OTHERS	NOS	2384443	1175450	916786	380774
85171210	PUSH BUTTON TYPE	NOS	4855677	37677705	14753052	1687682
85171290	OTHER	NOS	70924740	52842592	12226324	4291591
85171810	PUSH BUTTON TYPE	NOS	299130	305940	144809	229691
85171890	OTHER	NOS	411658	1070623	664530	275181
85176100	BASE STATIONS	NOS	147578	176510	81647	50777
85176210	PLCC EQUIPMENT	NOS	291954	4432	10152	336057
85176220	VOICE FREQUENCY TELEGRAPHY	NOS	551	1146	2619	4210
85176230	MODEMS (MODULATORS-DEMODULATORS)	NOS	3707590	2400509	3351352	1674140
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	1222	1921	1603	1286
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	53839	14325	1997	3115
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	18152	12183	18102	4930
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	67351	101508	69221	48059
85176290	OTHER	NOS	24994917	24710672	43052118	45470088
85176910	ISDN TERMINALS	NOS	7597	2662	2420	2417
85176920	ISDN TERMINAL ADAPTERS	NOS	9313	43789	1149	1937
85176930	ROUTERS	NOS	10802718	12490145	5643172	3924930
85176940	X25 PADS	NOS	-	13	16	3
85176950	SUBSCRIBER END EQUIPMENT	NOS	334875	528558	1884504	2736762
85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	78164	6123188	1148956	264310
85176970	ATTACHMENTS FOR TELEPHONES	NOS	163706	587387	265413	395956
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	20730436	12797078	6827713	2860004
85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	NOS	7661814	311897026	300704265	297826967
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	73657474	108281673	55844743	74822877
85195000	TELEPHONE ANSWRNG MCHNS	NOS	204	717	403	2
85235210	SIM CARDS	NOS	569922252	340596511	206510183	245110611
85255040	COMMUNICATION JAMMING EQUIPMENT	NOS	256	373	1226	40
85256011	WALKIE TALKIE SET	NOS	182848	185930	172070	167256
85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	259	17814	278	853
85256013	AMATEUR RADIO EQUIPMENT	NOS	1	1	1	2
85256019	CORDLESS HANDSET	NOS	2550	5594	13899	52301
85256091	VSAT TERMINALS	NOS	4710	12172	2386	110
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	329	2248	6346	436
85256099	OTHERS	NOS	10596	13760	9595	6371
85279911	RADIO PAGERS	NOS	13	-	1	1
85291011	DISH ANTENNA FR COMMNCN JAMMNG EQPTMNTS	NOS	1170	31642	14712	11496
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	8	65	2113	12026
85291019	DISH ANTENNA FR OTHR USE	NOS	4260611	8766123	6047097	3043120
85291021	OTHR ANTENNA FR COMMNCN JAMMNG EQPTMNTS	NOS	585	5422	124671	44027
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	5	1001	-	230
85291029	OTHR ANTENNA FR OTHR USE	NOS	871049	10216579	10266983	14598105
85291091	AERIAL PARTS FR COMMNCN JAMMNG EQPTMNTS	NOS	716	564	634	6579
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	2397	1127	86	58
85291099	AERIAL PARTS FR OTHR USE	NOS	351188	5754144	5276234	9046519
85299010	OTHE PARTS FR COMMNCN JAMMNG EQPTMNTS	NOS	26890	698371	371830	10469
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	8044	478757	462398	171084
85299090	OTHE PARTS FR OTHR USE	NOS	65798493	1747594308	1550961373	1673179327
85442010	CO-AXIAL CABLE	MTR	9051272	340848181	259408607	181968592
85442090	OTHR CO-AXL ELCTRC CNDUCTORS EXCL CO-AXL CABLE	MTR	3097406	60470565	95247764	51257170
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	6005	96991	132841	19058
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	496321	10971153	11752424	7923774
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	29619	727875	159436	113666
85444299	OTHR ELCTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	MTR	5779105	157377781	226831952	169132088
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	39182	321441	172554	734204
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	1902867	62121604	57384955	42727458
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	12906	525740	323506	1300444
85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	11831406	419897731	775980375	577206203
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	MTR	1941991	92273045	181756954	136755109
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	1702276	1936034	5632156	2156167

Source: O/o Director (IP), DoT

Table 2A - India's Imports By Telecom Equipment From April 2016 To March 2020					
Import of Telecom equipment		(₹ in lakhs)			
Hs Code	Commodity	2016-17	2017-18	2018-19	2019-20
85171110	PUSH BUTTON TYPE	2434.96	5024.67	3813.96	4654.21
85171190	OTHERS	15302.22	11032.96	8437.51	5416.87
85171210	PUSH BUTTON TYPE	32224.70	601831.34	273554.76	239538.47
85171290	OTHER	2508701.66	1676955.99	856869.75	500791.01
85171810	PUSH BUTTON TYPE	1779.40	2018.33	1393.22	3400.77
85171890	OTHER	14482.86	17883.09	16328.30	8335.38
85176100	BASE STATIONS	664386.60	242364.87	30583.36	23762.95
85176210	PLCC EQUIPMENT	7555.60	4987.92	3803.46	5604.19
85176220	VOICE FREQUENCY TELEGRAPHY	618.21	219.40	689.88	3019.46
85176230	MODEMS (MODULATORS-DEMULATORS)	73183.32	49377.16	30146.20	24492.50
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	211.44	561.28	1126.98	1504.29
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	3926.83	1848.57	1503.78	2622.46
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	5997.01	3686.12	4418.74	6460.52
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	8873.58	9299.82	6321.93	6857.26
85176290	OTHER	1601354.94	2638773.91	3716757.63	2158162.76
85176910	ISDN TERMINALS	11376.34	3053.83	1451.86	1008.50
85176920	ISDN TERMINAL ADAPTERS	68.36	207.46	190.92	457.51
85176930	ROUTERS	319744.71	344480.67	292466.95	191152.31
85176940	X25 PADS	-	1.60	1.73	4.39
85176950	SUBSCRIBER END EQUIPMENT	13251.41	11721.74	32085.24	44342.29
85176960	SET TOP BOXES FOR ACCESSING INTERNET	2051.80	64014.93	29112.70	7353.40
85176970	ATTACHMENTS FOR TELEPHONES	3940.01	3122.26	2701.89	982.69
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	561476.44	426801.54	369110.77	313255.26
85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	792284.58	3130433.96	1468636.56	494466.37
85177090	OTHR PARTS OF TELEPHONE/TELEGRPHC APPARTS	4196577.12	4322310.88	4622095.33	5109407.15
85195000	TELEPHONE ANSWRNG MCHNS	17.32	10.77	7.12	9.32
85235210	SIM CARDS	51575.43	22207.26	15443.84	14319.10
85255040	COMMUNICATION JAMMING EQUIPMENT	9645.31	3433.69	1652.31	1063.77
85256011	WALKIE TALKIE SET	14988.77	15925.43	16427.23	9839.70
85256012	MARINE RADIO COMMUNICATION EQPMNT	455.02	2016.76	198.56	528.09
85256013	AMATEUR RADIO EQUIPMENT	3.21	2.39	0.91	0.11
85256019	CORDLESS HANDSET	1224.75	1023.23	3336.01	6043.61
85256091	VSAT TERMINALS	615.61	988.10	315.79	100.21
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	275.75	1268.36	8803.35	1103.26
85256099	OTHERS	8443.88	5536.62	1982.70	2142.69
85279911	RADIO PAGERS	2.11	-	0.69	0.02
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	51.09	73.73	43.55	15.73
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.11	96.53	61.76	25.59
85291019	DISH ANTENNA FR OTHR USE	26067.74	20810.95	14933.46	14891.67
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	1.71	112.50	475.92	129.13
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.20	4.15	-	3661.21
85291029	OTHR ANTENNA FR OTHR USE	13933.91	16993.62	21078.26	30860.88
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	26.42	11.83	16.61	13.57
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	75.24	6.51	38.91	339.80
85291099	AERIAL PARTS FR OTHR USE	5558.95	5356.60	11962.34	14141.87
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	271.50	577.31	122.89	45.57
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	182.96	302.46	540.28	318.64
85299090	OTHE PARTS FR OTHR USE	852529.32	872353.01	919724.32	932364.89
85442010	CO-AXIAL CABLE	32195.89	39067.54	44077.32	32739.01
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	23804.13	22973.98	29336.97	23168.41
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	100.14	95.74	178.69	172.70
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	3125.81	7076.03	6755.37	6047.45
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	1339.35	937.47	194.59	147.66
85444299	OTHR ELCTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	64225.09	95596.29	124092.70	125403.23
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	564.77	305.01	291.69	486.75
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	17216.65	14377.51	13112.70	11384.94
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	160.72	161.83	199.85	345.88
85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	133835.18	163309.08	175283.25	154374.42
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	29144.94	33402.58	46680.16	35960.07
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	25586.77	33142.30	127492.88	40232.37

Source: O/o Director (IP), DoT

Table 2B - India's Imports By Telecom Equipment From April 2016 To March 2020

Import of Telecom equipment		(US \$ in million)			
Hs Code	Commodity	2016-17	2017-18	2018-19	2019-20
85171110	PUSH BUTTON TYPE	3.63	7.80	5.44	6.52
85171190	OTHERS	22.81	17.12	12.08	7.64
85171210	PUSH BUTTON TYPE	48.00	934.79	400.71	329.50
85171290	OTHER	3739.95	2602.50	1220.88	701.62
85171810	PUSH BUTTON TYPE	2.65	3.13	1.98	4.77
85171890	OTHER	21.59	27.75	23.48	11.71
85176100	BASE STATIONS	991.42	375.88	44.22	33.05
85176210	PLCC EQUIPMENT	11.22	7.75	5.45	7.89
85176220	VOICE FREQUENCY TELEGRAPHY	0.91	0.34	1.00	4.26
85176230	MODEMS (MODULATORS-DEMULATORS)	109.13	76.56	43.44	34.26
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	0.32	0.87	1.62	2.16
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	5.85	2.87	2.19	3.67
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	8.94	5.71	6.36	9.03
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	13.21	14.44	9.11	9.63
85176290	OTHER	2387.86	4092.50	5353.32	3024.67
85176910	ISDN TERMINALS	16.97	4.74	2.07	1.42
85176920	ISDN TERMINAL ADAPTERS	0.10	0.32	0.27	0.64
85176930	ROUTERS	476.53	534.64	420.32	269.15
85176940	X25 PADS	-	0.00	0.00	0.01
85176950	SUBSCRIBER END EQUIPMENT	19.78	18.19	45.55	62.30
85176960	SET TOP BOXES FOR ACCESSING INTERNET	3.06	99.27	42.67	10.44
85176970	ATTACHMENTS FOR TELEPHONES	5.88	4.84	3.88	1.38
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	837.07	662.07	528.48	439.06
85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	1180.94	4855.72	2128.06	693.49
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	6258.64	6707.40	6613.12	7176.15
85195000	TELEPHONE ANSWRNG MCHNS	0.03	0.02	0.01	0.01
85235210	SIM CARDS	76.72	34.44	22.28	20.10
85255040	COMMUNICATION JAMMING EQUIPMENT	14.39	5.31	2.40	1.45
85256011	WALKIE TALKIE SET	22.36	24.71	23.44	13.85
85256012	MARINE RADIO COMMUNICATION EQPMNT	0.68	3.12	0.28	0.75
85256013	AMATEUR RADIO EQUIPMENT	0.00	0.00	0.00	0.00
85256019	CORDLESS HANDSET	1.82	1.58	4.82	8.39
85256091	VSAT TERMINALS	0.92	1.53	0.44	0.14
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	0.41	1.95	12.76	1.55
85256099	OTHERS	12.59	8.59	2.85	2.96
85279911	RADIO PAGERS	0.00	-	0.00	0.00
85291011	DISH ANTENNA FR COMMNCN JAMMNG EQPTMNTS	0.08	0.11	0.06	0.02
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.00	0.15	0.09	0.04
85291019	DISH ANTENNA FR OTHR USE	38.87	32.28	21.54	20.88
85291021	OTHR ANTENNA FR COMMNCN JAMMNG EQPTMNTS	0.00	0.17	0.68	0.18
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.00	0.01	-	4.92
85291029	OTHR ANTENNA FR OTHR USE	20.77	26.35	30.29	43.36
85291091	AERIAL PARTS FR COMMNCN JAMMNG EQPTMNTS	0.04	0.02	0.02	0.02
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.11	0.01	0.06	0.46
85291099	AERIAL PARTS FR OTHR USE	8.30	8.32	17.10	19.83
85299010	OTHE PARTS FR COMMNCN JAMMNG EQPTMNTS	0.40	0.89	0.18	0.06
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.27	0.47	0.77	0.45
85299090	OTHE PARTS FR OTHR USE	1271.58	1354.02	1316.61	1309.26
85442010	CO-AXIAL CABLE	47.97	60.61	63.60	45.98
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	35.52	35.67	42.14	32.53
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.15	0.15	0.25	0.24
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	4.66	10.98	9.75	8.45
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	2.00	1.46	0.28	0.21
85444299	OTHR ELCTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	95.77	148.28	178.02	175.93
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.84	0.48	0.42	0.68
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	25.68	22.30	18.88	15.88
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	0.24	0.25	0.28	0.49
85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	199.55	253.37	251.07	216.52
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	43.48	51.80	67.20	50.18
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	38.15	51.41	181.37	56.36

Source: O/o Director (IP), DoT

X – International Comparison

Table 1 - Fixed-telephone Subscriptions International Comparisons (2005-2019)

									(In Million)	
Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	1243	570	673	50	10	30	559	52	285	291
2006	1261	565	696	41	11	31	577	56	286	284
2007	1254	546	708	39	11	33	579	58	278	278
2008	1249	544	705	38	12	35	567	59	275	287
2009	1254	562	692	37	13	34	571	60	282	277
2010	1229	553	676	35	12	35	553	60	278	274
2011	1202	540	661	33	12	35	537	59	272	269
2012	1179	527	653	31	11	35	528	58	265	266
2013	1142	516	626	29	10	33	504	56	262	259
2014	1095	503	592	27	10	30	476	55	257	252
2015	1032	493	539	26	10	30	439	51	251	249
2016	995	482	513	24	11	32	412	48	246	245
2017	971	470	501	23	11	33	403	47	241	235
2018	942	453	489	22	9	35	392	45	233	227
2019	915	439	476	21	7	37	386	42	226	216

Source- ITU Website

Table 2 - Fixed-telephone Subscriptions per 100 Inhabitants International Comparisons (2005-2019)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	19	47	13	4	2	9	15	23	44	33
2006	19	47	13	4	2	10	16	25	44	32
2007	19	45	13	3	2	10	15	25	43	31
2008	19	44	13	3	2	10	15	26	42	31
2009	18	46	12	3	2	10	15	26	43	30
2010	18	45	12	3	2	10	14	26	42	29
2011	17	43	12	3	1	10	14	26	41	28
2012	17	42	11	2	1	9	13	25	40	28
2013	16	41	11	2	1	9	13	24	39	27
2014	15	40	10	2	1	8	12	23	38	26
2015	14	39	9	2	1	8	11	22	37	26
2016	13	38	8	2	1	8	10	20	36	25
2017	13	37	8	2	1	8	10	20	35	24
2018	12	36	8	2	1	8	9	19	34	23
2019	12	34	7	2	1	9	9	18	33	21

Source- ITU Website

Table 3 - Mobile Cellular Subscriptions International Comparisons (In million) (2005-2019)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	2205	992	1213	90	87	84	833	135	581	459
2006	2745	1127	1618	166	129	125	1074	177	661	553
2007	3368	1243	2125	234	174	174	1398	209	735	649
2008	4030	1325	2705	347	246	213	1773	254	771	741
2009	4640	1383	3257	525	299	264	2164	297	771	809
2010	5290	1404	3887	752	366	312	2625	318	761	881
2011	5890	1406	4483	894	441	352	3029	300	783	952
2012	6261	1443	4817	865	510	382	3234	306	800	995
2013	6662	1479	5183	886	581	408	3463	319	814	1043
2014	6996	1527	5469	944	644	415	3681	323	809	1093
2015	7152	1573	5580	1001	714	419	3778	325	809	1103
2016	7481	1595	5886	1128	714	417	4094	329	808	1114
2017	7724	1605	6119	1169	725	417	4331	331	812	1104
2018	7972	1638	6334	1176	785	416	4497	333	813	1124
2019	8283	1684	6600	1151	836	424	4709	354	818	1139

Source- ITU Website

Table 4 - Mobile-Cellular Subscriptions per 100 Inhabitants International Comparisons (2005-2019)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	34	82	23	8	12	27	23	59	89	52
2006	42	93	30	14	18	39	29	77	101	62
2007	51	102	39	20	24	53	37	91	112	72
2008	60	108	49	29	32	63	47	110	117	81
2009	68	112	58	43	38	77	56	129	117	87
2010	77	113	69	61	44	88	67	137	115	94
2011	84	113	78	71	52	96	77	129	118	101
2012	89	116	83	68	58	102	81	130	120	104
2013	93	118	88	69	65	107	86	135	122	108
2014	97	122	91	73	70	106	90	136	121	112
2015	97	125	92	76	76	106	92	138	119	113
2016	101	126	95	85	74	103	98	139	119	113
2017	103	126	98	87	73	101	103	139	119	111
2018	105	129	100	87	77	99	106	139	119	112
2019	108	132	103	84	80	99	110	147	119	113

Source- ITU Website

Table 5 - Fixed Broadband Subscriptions International Comparisons (2005-2019)

									(In Million)	
Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	220	148	71	1	0	1	80	2	66	66
2006	284	188	96	2	1	2	104	3	90	81
2007	346	219	127	3	1	3	122	5	113	98
2008	411	250	161	5	1	4	151	10	128	112
2009	468	271	197	8	1	6	183	15	140	120
2010	526	291	236	11	1	7	214	19	151	134
2011	598	313	285	13	2	9	253	23	161	146
2012	649	328	321	15	2	11	280	27	167	155
2013	692	343	349	15	3	12	299	31	175	164
2014	731	354	377	16	4	14	318	34	182	171
2015	835	373	463	17	4	19	404	36	190	182
2016	910	385	525	19	4	20	460	38	198	190
2017	1020	400	620	18	4	29	540	43	206	198
2018	1065	411	654	18	5	31	564	44	213	207
2019	1134	424	710	20	5	33	613	46	221	216

Source- ITU Website

Table 6 - Fixed Broadband Subscriptions per 100 Inhabitants International Comparisons (2005-2019)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	3	12	1	0	0	0	2	1	10	8
2006	4	16	2	0	0	1	3	1	14	9
2007	5	18	2	0	0	1	3	2	17	11
2008	6	20	3	0	0	1	4	5	20	12
2009	7	22	4	1	0	2	5	7	21	13
2010	8	24	4	1	0	2	6	8	23	14
2011	9	25	5	1	0	2	6	10	24	15
2012	9	26	6	1	0	3	7	12	25	16
2013	10	27	6	1	0	3	7	13	26	17
2014	10	28	6	1	0	4	8	14	27	18
2015	11	30	8	1	0	5	10	15	28	19
2016	12	30	9	1	0	5	11	16	29	19
2017	14	32	10	1	0	7	13	18	30	20
2018	14	32	10	1	0	7	13	19	31	21
2019	15	33	11	1	1	8	14	19	32	21

Source- ITU Website

Table 7 - Individuals using the internet (2005-2019)

									(In Million)	
Year ending	World	Developed	Developing	India [@]	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	1100	641	432	6	19	26	355	34	283	343
2006	1216	673	515	8	25	34	404	39	304	367
2007	1382	723	652	41	29	46	514	43	344	386
2008	1570	754	811	77	42	60	623	48	373	403
2009	1772	778	989	131	61	71	740	55	397	426
2010	2035	826	1203	194	81	85	889	81	422	453
2011	2242	843	1392	401	103	98	1008	96	434	479
2012	2473	901	1566	472	122	112	1116	123	453	523
2013	2660	927	1729	165	143	123	1231	133	469	538
2014	2839	955	1882	252	166	135	1320	140	487	567
2015	3030	971	2057	302	190	151	1412	143	496	615
2016	3274	1028	2243	343	215	169	1529	151	511	675
2017	3492	1042	2447	422	246	195	1619	158	530	717
2018	3742	1083	2655	494	268	214	1766	168	551	748
2019	3969	1108	2852	637	299	234	1901	176	568	774
Source- ITU Website, ([@] TRAI)										

Table 8 - Individuals using the internet per 100 Inhabitants (2005 -2019)

Year ending	World	Developed	Developing	India [@]	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	17	53	8	1	3	8	10	15	43	39
2006	18	55	10	1	4	11	11	17	46	41
2007	21	59	12	4	4	14	14	19	52	43
2008	23	61	15	7	5	18	16	21	56	44
2009	26	63	18	11	8	21	19	24	60	46
2010	29	67	21	16	10	24	23	36	63	49
2011	32	68	24	34	12	27	25	42	65	51
2012	35	72	27	39	14	30	28	53	67	55
2013	37	74	29	13	16	32	30	57	69	56
2014	39	76	31	20	18	35	32	60	72	59
2015	41	77	34	24	20	38	34	61	73	63
2016	44	81	36	27	22	42	37	64	75	69
2017	46	82	39	33	25	47	39	66	77	72
2018	49	85	42	38	26	51	42	70	80	75
2019	51	87	44	48	29	55	45	73	83	77

Source- ITU Website, ([@]TRAI)

**Table 9 - ICT Development Index (IDI 2017) -
India's Profile at a Glance**

Region	Asia-Pacific	Population (in million)	1297.07
GNI per capita	1680	Population density (per 100 inhabitants)	409.58
IDI 2017 Rank	134/176	IDI 2016 Rank	138
IDI 2017 value	3.03	IDI 2016value	2.65
Regional IDI 2017 Rank	25		
IDI ACCESS SUB-INDEX	3.6	IDI USE SUB-INDEX	1.62
Fixed -telephone subscription per 100 inhabitants	1.88	Percentage of individuals using the Internet	29.55
		Fixed(wired)-broadband subscriptions per 100 inhabitants	1.44
Mobile-cellular telephone subscriptions per 100	86.95	Active mobile -broadband subscriptions per 100 inhabitants	16.76
International internet bandwidth per Internet user (Bit/s	15956.28		
Percentage of households with computer	15.2	IDI SKILLS SUB-INDEX	4.73
Percentage of households with Internet access	22.64	Mean years of schooling	6.3
		Secondary gross enrolment ratio	74.28
		Tertiary gross enrolment ratio	25.54
Source : ITU			

Table 10 - Fixed Telephone Subscriptions					
Country	2015	2016	2017	2018	2019
Afghanistan	110000	114192	118769	127794	134636
Albania	226718	248640	246720	248631	242859
Algeria	3267592	3404709	4100982	4200919	4635217
American Samoa	10000				
Andorra	38850	38694	38411	39375	39657
Angola	284925	304493	161070	171858	124726
Anguilla	6000				
Antigua and Barbuda	20000	22504	24000		
Argentina	10073125	10164849	9744368	9764014	7737345
Armenia	551366	531624	501013	477932	451571
Aruba	35000				
Ascension	589	576	1000		
Australia	8500000	8480000	8460000	8200000	7820000
Austria	3609900	3567200	3762801	3772429	3753076
Azerbaijan	1796027	1700233	1688325	1681407	1673211
Bahamas	120925	121088	113852	113455	91129
Bahrain	280115	279864	299815	274733	274541
Bangladesh	864263	766183	707568	1449646	1449646
Barbados	149532	139715	120471	128043	138312
Belarus	4540676	4515382	4499821	4488821	
Belgium	4488711	4371055	4281818	4106864	3930410
Belize	23603	22400	21084	20869	18500
Benin	194666	124883	56787	48508	35917
Bermuda	12000	20351	21883		
Bhutan	21811	21081	21364	22015	21581
Bolivia (Plurinational State of)	881235	867346	851110	711961	
Bosnia and Herzegovina	772684	744991	759344	792535	790620
Botswana	160490	142122	141207	142481	141077
Brazil	43677141	42003948	40375698	38311924	33700982
British Virgin Islands	11754	11167	9544	6222	
Brunei Darussalam	76002	74213	83794	82588	86590
Bulgaria	1654879	1478975	1289853	1120392	972255
Burkina Faso	75075	75727	76000	76760	75291
Burundi	21774	19540	23409	24810	20936
Cabo Verde	63584	64724	64970	62680	57511
Cambodia	256387	227261	132911	88157	56445
Cameroon	1050281	1051073	885762	902253	925978
Canada	15612271	15155520	14469000	13842000	13267000
Cayman Islands	33534	34116	34768		
Central African Rep.	1881	1964	2104	2193	
Chad	17029	13332	8664	9036	6524
Chile	3445880	3375037	3200245	2997192	2750272
China	230996000	206624000	193757000	192085000	191033000
Colombia	7109254	7115984	6987654	6973573	7012306
Comoros	14599	13049	17212	10320	10042
Congo (Rep. of the)	17000	17000	17000		
Cook Islands		6502	6576		
Source: ITU Data Base					

Table 10 - Fixed Telephone Subscriptions (Contd.)

Country	2015	2016	2017	2018	2019
Costa Rica	859514	838346	814910	774303	630843
Croatia	1476506	1435977	1401354	1355662	1333661
Cuba	1295857	1322002	1349188	1444480	1508074
Curacao	62571	59231	61709	58805	
Cyprus	323707	320573	317241	311559	323914
Czech Republic	1906594	1758590	1640094	1511942	1473000
Côte d'Ivoire	277248	289108	305562	302398	271724
Dem. People's Rep. of Korea	1180000	1180000	1180000		
Denmark	1696995	1557101	1235627	1131064	1004956
Djibouti	22902	24925	36582	36855	
Dominica	20585	13328	12961	2660	
Dominican Rep.	1304968	1345091	1329852	1277247	1210018
Ecuador	2512657	2451623	2415204	2360581	2195840
Egypt	6235133	6118250	6604849	7865286	8760436
El Salvador	944266	941184	928433	923029	
Equatorial Guinea	11334	10989	11179	10848	
Eritrea	66000	66086	66170		
Estonia	387607	370589	362117	345690	324388
Eswatini	43000	42000	41000		
Ethiopia	890642	1147000	1181000		
Falkland (Malvinas) Is.	2000	2255	2000		
Faroe Islands	20083	19078	18021	17188	
Fiji	72565	74182	75952	76522	
Finland	537200	457300	378000	323000	269000
France	38929000	39006000	38728000	38132000	37797000
French Polynesia	60693	60530	86631	90278	
Gabon	18758	18946	21235	21818	
Gambia	45000	37969	32040	44000	
Georgia	950167	840431	713826	604348	517617
Germany	45350000	45300000	44400000	42500000	40400000
Ghana	275570	251490	301551	278379	288531
Gibraltar		17027	19753	17671	16968
Greece	5260560	5200950	5176475	5078083	5001508
Greenland	16000		9267	8060	7133
Grenada	27034	26776	32491	22542	
Guam	68000				
Guatemala	1718851	2454778	2461109	2436093	1974006
Guyana	154057	141595	135795		
Haiti	5692	5692	5922	5922	
Honduras	497072	442929	491107	532004	490103
Hong Kong, China	4331725	4318346	4249372	4196061	4053512
Hungary	3094228	3119735	3131598	3079730	3048754
Source: ITU Data Base					

Table 10 - Fixed Telephone Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Iceland	168149	164566	146213	136713	125567
India	25520000	24404000	23234687	21868192	21004534
Indonesia	10378037	10752912	11053303	8303511	9477137
Iran (Islamic Republic of)	30418973	30869311	31069938	30481734	28954855
Iraq	1997000	2031000	3237858	2705028	
Ireland	1932059	1917742	1872309	1829166	1767476
Israel	3412000	3340223	3240000	3200000	3040000
Italy	20209324	20267173	20700659	20396603	19621081
Jamaica	252849	310213	297027	363820	398048
Japan	63705579	64130388	64066893	63525713	
Jordan	368938	404112	357203	369145	356046
Kazakhstan	4147800	3931100	3686600	3350900	3210500
Kenya	85496	72801	69861	65644	70394
Kiribati	1477	871	765	0	20
Korea (Rep. of)	28882783	28035600	26844692	25906849	24727415
Kuwait	480000	533234	542082	515542	
Kyrgyzstan	408037	382149	362288	331140	298855
Lao P.D.R.	962497	1266605	1125469	1482276	1490831
Latvia	356000	362940	342296	266214	227616
Lebanon	1012849	1816262	907881	893529	882175
Lesotho	40570	41158	10637	8328	
Liberia	9000	8000			
Libya	1063265	1374408	1576000		
Liechtenstein	17336	16385	15342	15243	14032
Lithuania	561919	530871	486895	427066	368213
Luxembourg	276900	276400	275300	273530	267400
Macao, China	146138	142000	138000	123469	
Madagascar	148635	148585	68792	69046	
Malawi	14462	11234	17337	14992	13101
Malaysia	4489500	4837200	6580800	6433300	6474400
Maldives	21911	21137	20378	18754	16664
Mali	169006	200812	214893	228097	
Malta	230226	234368	240280	255437	257010
Mauritania	51294	53191	57057	59959	61858
Mauritius	380000	389500	413100	434300	
Mayotte	10000				
Mexico	20170913	20820073	20752662	21645824	22519654
Micronesia	6808	6883	6947		
Moldova	1202466	1171287	1143852	1108200	1071514
Monaco	49085	46575	47013	43374	44119
Mongolia	255634	225287	292594	369853	395922
Montenegro	154448	148015	152155	172880	188175
Montserrat	3000				
Morocco	2222370	2070173	2046390	2199140	2054545

Source: ITU Data Base

Table 10 - Fixed Telephone Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Mozambique	89292	82421	80545	63006	
Myanmar	514920	514385	556112	520863	
Namibia	182507	187853	193045	154816	139698
Nepal (Republic of)	846940	858237	861299	799368	
Netherlands	6951528	6774000	6551000	5900000	5560000
New Caledonia	77719				
New Zealand	1850000	1760000	1790000	1760000	
Nicaragua	354017	366636	375856	325821	228782
Niger	110000	160848	114352		
Nigeria	187155	154513	139344	140491	
Niue	1000				
North Macedonia	371003	368370	366529	382901	394728
Northern Marianas	22000				
Norway	944510	807163	686718	560945	
Oman	434932	422518	509756	560326	592196
Pakistan	3537600	3104415	2940243	2798606	2461916
Palau	7204				
Palestine	406500	432000	476239	469741	
Panama	620436	652816	662588	728379	741269
Papua New Guinea	150000	154000	158000		
Paraguay	344853	350455	294280	302754	
Peru	2911495	3074464	3082036	2728617	
Philippines	3223787	3781962	4163282	4132490	4165209
Poland	9053648	8143145	7412432	6575246	6824896
Portugal	4682997	4787677	4831284	5073815	5128714
Puerto Rico	813106	813546	783739	703266	686901
Qatar	459887	467148	461561	452088	461289
Romania	4270000	4110000	3890000	3660000	3380000
Russian Federation	35553328	32276615	31952072	30108289	
Rwanda	16983	13403	12333	12960	11393
Saint Kitts and Nevis	19748	17433	17293	16146	
Saint Lucia	34874	35545	35014	36469	
Saint Vincent and the Grenadines	24865	20550	20092	19219	12934
Samoa	11453	9679	8454		
San Marino	16550	16000	18000	16500	16000
Sao Tome and Principe	6441	5733	5569	5299	4784
Saudi Arabia	3746906	4238774	4659836	5387405	5377978
Senegal	300219	285933	290636	302243	207592
Serbia	2770462	2684419	2609601	2574691	2565091
Seychelles	21341	20836	19652	20290	20122
Sierra Leone	17000	17000	17000	4352	3434
Singapore	2016100	1998400	1991700	2001000	1905800
Slovakia	866630	823594	758842	722704	675297
Slovenia	753082	728686	739121	722802	707059
Source: ITU Data Base					

Table 10 - Fixed Telephone Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Solomon Islands	7438	7405	7405	7430	7104
Somalia	51000	48000		74800	
South Africa	4131055	4522850	4810074	3345440	2024730
Spain	19373709	19487737	19587220	19484361	19816880
Sri Lanka	3287676	2479802	2603178	2473875	
St. Helena	2728	2758	3000		
Sudan	118954	136472	143280	136923	137842
Suriname	91916	89030	89030	88098	92756
Sweden	3554665	3104305	2622159	2392386	1924972
Switzerland	4140000	3772545	3559361	3269952	3100000
Syrian Arab Republic	3539665	3464846	2726193	2740000	2843103
Taiwan, Province of China	13916334	13770996	13565064	13174334	12971902
Tajikistan	457000	468000	479000		
Tanzania	142819	129597	127094	124238	76288
Thailand	5309000	4706000	3466000	2929000	2614000
Timor-Leste	2720	2545	2381	2206	2075
Togo	52690	33817	36111	37691	43605
Tonga	13220	11000	14697	14697	6637
Trinidad and Tobago	270872	272187	257445	319401	343385
Tunisia	943642	974129	1113168	1302015	1454183
Turkey	11493057	11077559	11308444	11633461	11532903
Turkmenistan	648000	665000	682000		
Turks & Caicos Is.	4000				
Tuvalu	2000	2000	2000		
Uganda	328811	368243	262286	186902	
Ukraine	9113061	8451229	7186579	6074255	4182994
United Arab Emirates	2258646	2285809	2320837	2341392	2362602
United Kingdom	33211498	32633398	32148366	31919894	
United States	124848000	1.21E+08	116297000	110439000	107281000
Uruguay	1106431	1113566	1136977	1153533	1165373
Uzbekistan	2816611	3412921	3444330	3460258	3553310
Vanuatu	4797	4555	4511	4154	3809
Venezuela	7780096	7660417	5928714	5547291	5467044
Viet Nam	7324947	5598017	4385427	4296301	3658005
Virgin Islands (US)	76000				
Yemen	1142227	1165828	1190000		
Zambia	116165	101407	101444	100444	96719
Zimbabwe	333702	305720	264150	268849	265734
<i>Source: ITU Data Base</i>					

Table 11 - Mobile-cellular telephone subscriptions; by postpaid/prepaid					
Country	2015	2016	2017	2018	2019
Afghanistan	19709038	21602982	23929713	21976355	22580071
Albania	3400955	3369756	3625699	2714878	2630076
Algeria	43227643	47041321	45845665	47154264	47081131
Andorra	71336	76132	80337	82614	87909
Angola	13884532	13001124	13323952	13288421	14830154
Anguilla	26000				
Antigua and Barbuda	176000	180000	184000		
Argentina	61842011	63719805	61897379	58598041	58606442
Armenia	3464490	3434567	3488524	3579257	3618747
Aruba	141000				
Ascension	298	519	1000		
Australia	25770000	26551000	26660000	27640000	27880000
Austria	13470623	11079460	10859000	10984000	10726000
Azerbaijan	10697132	10189000	10127000	10339700	10750300
Bahamas	311175	360200	353540	388707	425507
Bahrain	2519055	2994865	2364477	2092714	1900361
Bangladesh	131375724	135981846	150945000	161771617	165572000
Barbados	334792	332208	329565	329326	311734
Belarus	11448281	11439866	11415141	11619651	
Belgium	12774090	12550821	11357286	11447351	11509573
Belize	211946	222928	239441	246311	254919
Benin	9317955	8892490	8773044	9461872	10349847
Bermuda	38000	63891	64997		
Bhutan	675747	698373	730623	703554	729239
Bolivia (Plurinational State of)	10162829	10106216	10963224	11445830	
Bosnia and Herzegovina	3443520	3404043	3440085	3461058	3694050
Botswana	3475327	3288986	3240589	3381228	4004089
Brazil	257814274	244067356	218244270	207046813	
British Virgin Islands	57195	39689	44043	39954	
Brunei Darussalam	463384	523453	544732	565949	557398
Bulgaria	9194633	8973869	8532908	8387160	8134581
Burkina Faso	14446897	15404040	17946375	19339109	20364508
Burundi	4997696	5357816	5920612	6317965	6643411
Cabo Verde	611468	601956	612259	610328	595681
Cambodia	20850543	19915503	18572973	19417123	21418681
Cameroon	18160667	18717503	20135388	18455836	21155316
Canada	29765000	30752000	31693000	33211000	34615000
Cayman Islands	93244	95656	96656		
Central African Rep.	1242494	1248346	1175389	1279261	1530385
Chad	5465797	5585709	6368600	6984130	7664839
Chile	23206353	23302603	23013147	25178981	25051668
China	1291984200	1364934000	1469882500	1649301700	1725695000
Colombia	57327470	58684924	62220014	64513977	66283175
Comoros	424786	454389	468914	498903	575218
Congo (Rep. of the)	5216000	5424000	5056000	5000000	
Cook Islands		13852	14539		

Source: ITU Data Base

Table 11 - Mobile-cellular telephone subscriptions; by postpaid/prepaid (Contd.)					
Country	2015	2016	2017	2018	2019
Costa Rica	7535599	8330664	8840342	8495585	8171211
Croatia	4415660	4414347	4315580	4388476	4404652
Cuba	3335346	3987900	4613782	5373316	6042629
Curacao	190489	186644	187184	186390	
Cyprus	1111123	1133780	1176801	1200378	1243151
Czech Republic	12454575.01	12485045	12636359	12704262	13205000
Côte d'Ivoire	25407610	27451250	31747233	33807850	37376603
Dem. People's Rep. of Korea	3240000	3606000	3810000		
Dem. Rep. of the Congo	37752782	28889317	35375246	36470600	37123208
Denmark	7079249	6985035	7140859	7216215	7243465
Djibouti	314350	345246	373052	395037	
Dominica	77254	78444	75230	75771	
Dominican Rep.	8797247	8708131	8769127	8937647	8948107
Ecuador	12943791	13882280	14651404	15772838	15853100
Egypt	94016152	97791441	102958194	93784497	95340262
El Salvador	9334132	9637259	9478044	9433495	
Equatorial Guinea	533336	575650	566113	591223	
Eritrea	475000	506000	695000		
Estonia	1903545	1897921	1904425	1924034	1951051
Eswatini	941000	995000	1052000		
Ethiopia	42311629	51224000	39600000		
Falkland (Malvinas) Is.	4400	4674	5000		
Faroe Islands	53213	54487	56619	56792	
Fiji	965950	1044685	1033915		
Finland	7396200	7220100	7160000	7150000	7150000
France	66681000	67571000	69018000	70422000	72043000
French Polynesia	268334	280111	287839	302673	
Gabon	2821555	2962486	2663243	2930554	
Gambia	2715672	2838127	2966000	3181393	
Georgia	5550730	5531875	5502395	5459239	5384462
Germany	96360000	103470000	109700000	107500000	107200000
Ghana	35008387	38305078	36751761	40934875	40857077
Gibraltar	41441	41136	41035	41045	40537
Greece	12566649	12538927	12937106	12170757	11882081
Greenland	61000		62232	62537	64878
Grenada	119767	118973	113177	116184	
Guatemala	18121390	18264520	19986482	20467520	20874130
Guinea	10764000	11110000	11700000	12013000	12873000
Guinea-Bissau	1238493	1285835	1434822	1480491	1590381
Guyana	542598	584659	643210		
Haiti	7300000	6504010	6305862	6399044	
Honduras	8048388	7832802	8233499	7588554	7089691
Hong Kong, China	16724440	17584969	18394762	19898785	21455736
Hungary	9900582	9952001	9945037	10041939	10272694
Source: ITU Data Base					

Table 11 - Mobile-cellular telephone subscriptions; by postpaid/prepaid (Contd.)

Country	2015	2016	2017	2018	2019
Iceland	383919	401613	401231	411361	413446
India	1001056000	1127809000	1168902277	1176021869	1151480361
Indonesia	338948340	385573398	435193605	319434605	345025155
Iran (Islamic Republic of)	74218815	80520249	87046953	88722442	118061419
Iraq	33559000	33447000	33415690	36527353	
Ireland	4902009	4875116	4898872	4971493	5145256
Israel	10570000	10570000	10540000	10700000	10800000
Italy	87691238	85955905	83871543	83342486	80580548
Jamaica	3137213	3267344	3091222	2964974	3023873
Japan	160559734	166852753	172789990	179872794	
Jordan	13797968	9818446	9703287	8731760	7778770
Kazakhstan	26309300	25534800	26693300	26065600	25709000
Kenya	37715944	38982188	42815109	49501430	54555497
Kiribati	41000	52000	46123	53338	54658
Korea (Rep. of)	58935081	61295538	63658688	66355778	68892541
Kuwait	7664743	7659365	7138833	7099848	7327028
Kyrgyzstan	7579439	7613528	8467966	8735246	8622565
Lao P.D.R.	3727162	3958510	3711813	3662336	4362183
Latvia	2590000	2650273	2464122	2070180	2071814
Lebanon	4657651	4277043	4399085	4424185	4237962
Lesotho	2140141	2282917	2380804		
Liberia	3652000	3117002	2660000		
Libya	9747080	7660068	6020000		
Liechtenstein	40950	44298	46402	47272	48307
Lithuania	4184053	4204692	4361329	4590441	4658823
Luxembourg	806800	764000	794000	798600	835900
Macao, China	1896097	1969972	2047000	2181194	
Madagascar	10693765	7998253	8730499	10654710	
Malawi	6566707	7178384	7772503	7076906	8901027
Malaysia	44104000	43464500	42338500	42413400	44601400
Maldives	739790	812128	900120	857934	828042
Mali	22698915	20217697	22034110	21955565	
Malta	524161	585470	604759	615843	634768
Marshall Islands	15500		16000		
Mauritania	3644483	3614172	4074157	4566502	4710800
Mauritius	1762300	1814000	1839500	1918000	
Mexico	107688282	111730635	114329353	120173510	121366834
Micronesia	22505	23412	23114		
Moldova	3713137	3788490	3746644	3636931	3613846
Monaco	34020	33297	32978	32689	33783
Mongolia	3068156	3367573	3886167	4222041	4418919
Montenegro	1007890	1040747	1044674	1134412	1150998
Montserrat	5000				
Morocco	43079696	41513933	43916066	44737885	46666722

Source: ITU Data Base

Table 11 - Mobile-cellular telephone subscriptions; by postpaid/prepaid (Contd.)					
Country	2015	2016	2017	2018	2019
Mozambique	20134932	15025598	11875506	14074248	
Myanmar	40993717	50586416	47946665	61143964	
Namibia	2549817	2659951	2680196	2759293	2822943
Nauru	9400	9900	10000		
Nepal (Republic of)	27516055	32120305	36096396	39178451	
Netherlands	20809054	20890000	20532000	21108000	21762000
New Caledonia	260277				
New Zealand	5600000	6100000	6400000	6400000	
Nicaragua	7264151	7745512	8179876	7441527	5788432
Niger	8959000	7471802	8778884		
Nigeria	150830089	154342168	144920170	172730603	
North Macedonia	2083583	2050494	2008008	1969109	2055339
Norway	5714890	5729569	5719665	5720892	
Oman	6646655	6866260	6943910	6440889	6383458
Pakistan	125899638	136489014	144525637	153986607	165405847
Palau	23743				
Palestine	3531000	3713190	3996206	4375502	
Panama	5741929	5141768	5280195	5722370	5599005
Papua New Guinea	3560000	3782000	4018000		
Paraguay	7411986	7489474	7468275	7439692	
Peru	34235810	36933161	38915386	42154771	
Philippines	117838074	120096895	115824982	134592608	167322432
Poland	54537230	53001776	50458854	51098747	52268128
Portugal	11714693	11572085	11764106	11859548	11909751
Puerto Rico	3204993	3252176	3389402	3330286	3371969
Qatar	3740469	3652579	3988562	3945978	3917571
Romania	23120000	22900000	22400000	22634000	22671000
Russian Federation	227288088	229126152	227299663	229431008	239795946
Rwanda	8759619	8921533	8819217	9700609	9658548
Saint Kitts and Nevis	73009	76583	76878		
Saint Lucia	187741	176648	176694	184944	
Saint Vincent and the Grenadines	113371	112649	115844	105875	102700
Samoa	120517	151008	124211		
San Marino	36624	36570	38000	38500	38750
Sao Tome and Principe	184971	178047	173963	162610	165761
Saudi Arabia	52796066	47932521	40210965	41310584	41298629
Senegal	14959477	15186485	15758366	16559942	17880594
Serbia	9155664	9094447	8621771	8431365	8453887
Seychelles	148244	151857	167282	178946	193672
Sierra Leone	5657000	6279270	6625000	6355151	6729804
Singapore	8233100	8460700	8381900	8568400	9076700
Slovakia	6675553	6989902	7117753	7241702	7399534
Slovenia	2353926	2385757	2443172	2465857	2511979
<i>Source: ITU Data Base</i>					

Table 11 - Mobile-cellular telephone subscriptions; by postpaid/prepaid (Contd.)					
Country	2015	2016	2017	2018	2019
Solomon Islands	424712	416572	465331	482029	478116
Somalia	5836000	6653040	7119000	7653040	
South Africa	87999492	82412880	88497610	92427958	96972459
South Sudan	2899000	2700000	2788933	3672871	
Spain	51067770	51521507	52506928	54161014	55267594
Sri Lanka	23899642	25797199	28199083	30282984	
St. Helena	1267	2499	4000		
Sudan	27938507	27807293	28644139	30100412	33014160
Suriname	750458	806881	795871	752270	813844
Sweden	12638827	12543188	12519313	12647103	12678374
Switzerland	11243210	11242105	11088598	10788602	10927300
Syrian Arab Republic	14312271	13349860	15386000	17129676	19387604
Taiwan, Province of China	29681490	29244328	28777408	29340886	29291467
Tajikistan	8489000	9400000	9904000		
Tanzania	39665600	40044186	39953860	43497261	47685232
Thailand	102942000	119669000	121530000	125098000	129614000
Timor-Leste	1376669	1492124	1556624	1468495	1425256
Togo	4855206	5505424	6069905	6144507	6239183
Tonga	73493	80000	107938	107938	62104
Trinidad and Tobago	2123374	2165847	2030637	1972595	2163725
Tunisia	14595875	14282078	14334080	14769594	14771048
Turkey	73639261	75061699	77800170	80117999	80790877
Turkmenistan	7842000	8575000	9377000		
Tuvalu	6600	7600	8000		
Uganda	20220273	22838486	24948878	24472033	
Ukraine	60720073	56717856	55714733	53933592	54842940
United Arab Emirates	17942560	19905093	19826224	20081015	19602815
United Kingdom	79250793	78931386	79098617	79472341	
United States	382307000	396000000	400000000	422000000	
Uruguay	5165474	5116736	5097569	5170624	4779787
Uzbekistan	21783300	23265389	24265460	23226156	33380000
Vanuatu	174818	218603	228016	251428	265219
Venezuela	29093517	27600893	24493687	20731169	16558617
Viet Nam	120324052	120600235	120016181	140639140	136230406
Yemen	15021953	16433055	15357868	15297789	
Zambia	11557725	12017034	13438539	15470270	17220607
Zimbabwe	12757410	12878926	14092104	12908992	13195902
<i>Source: ITU Data Base</i>					

Table 12 - Fixed Broadband Subscriptions					
Country	2015	2016	2017	2018	2019
Afghanistan	7067	8801	9182	15999	19683
Albania	242870	266379	303612	361947	436192
Algeria	2269348	2859567	3210267	3067022	3582739
Andorra	30694	32490	34284	35663	36358
Angola	153571	84724	96919	109561	119047
Anguilla	5000				
Antigua and Barbuda	10000	9261	9000		
Argentina	6855837	7223128	7842778	8473655	8793181
Armenia	286319	299170	315319	347448	385704
Aruba	19000				
Ascension		382			
Australia	6828000	7374000	7923000	8427316	8705523
Austria	2455500	2523300	2511200	2521100	2513000
Azerbaijan	1899456	1803662	1805214	1890913	1943013
Bahamas	81018	85128	86868	81208	82295
Bahrain	253041	232385	213880	184603	205031
Bangladesh	4892940	6592396	7300500	8052889	8085500
Barbados	78269	86887	89340	89340	106803
Belarus	2903497	3067529	3163286	3201519	
Belgium	4121049	4270309	4378973	4502950	4590707
Belize	17379	18374	19006	24658	29600
Benin	73263	22298	28615	27034	25435
Bermuda	30000	22797	22808		
Bhutan	27874	16489	16707	10802	8774
Bolivia (Plurinational State of)	180951	287589	379996	504097	
Bosnia and Herzegovina	634987	662468	700347	716366	745887
Botswana	36845	59057	32434	40044	45011
Brazil	25482478	26860779	28907867	31233004	32563453
British Virgin Islands	6660	6218	5003	4715	
Brunei Darussalam	34425	36120	41072	49452	54195
Bulgaria	1614541	1697590	1796682	1903946	1935544
Burkina Faso	9354	12384	12361	13818	12015
Burundi	2771	3245	3914	3935	3791
Cabo Verde	16568	15541	14993	15657	17732
Cambodia	83504	97641	133633	166200	184379
Cameroon	20447	45974	16765		199912
Canada	13115376	13386496	13923805	14445606	14881958
Cayman Islands	27383	24535	31232		
Central African Rep.	1858	736	619	608	499
Chad	11337	5126			
Chile	2719439	2904580	3062392	3250678	3429305
China	277046000	322597000	394190000	407382000	449279000
Colombia	5525763	5912968	6331032	6678543	6949852
Comoros	1600	1634	1644	1531	1106

Source: ITU Data Base

Table 12 - Fixed Broadband Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Costa Rica	558656	639087	744041	834784	903735
Croatia	986215	1043795	1095881	1128273	1154773
Cuba	8157	14428	33536	98838	182732
Curacao	40000	42713	49348	51836	
Cyprus	260640	278483	295686	313462	326565
Czech Republic	2946626	3069970	3146091	3222835	3584800
Côte d'Ivoire	109707	136380	142825	175918	216723
Dem. Rep. of the Congo	1000	1000	1000	4620	
Denmark	2404962	2461403	2511871	2535904	2536508
Djibouti	24165	24275	24389	25508	
Dominica	15159	15487	15423	11514	
Dominican Rep.	686107	767353	786458	794788	885879
Ecuador	1487592	1461416	1683783	1953607	2092458
Egypt	3826410	4469164	5233872	6580370	7598941
El Salvador	353001	395307	451263	492265	
Equatorial Guinea	3799	3382	1897	1620	
Eritrea	500	600	1000		
Estonia	390275	414478	428453	441173	449140
Eswatini	6000	7000	8000		
Ethiopia	478000	559000	62950		
Falkland (Malvinas) Is.	2000	1610	1000		
Faroe Islands	17792	17973	18041	18181	
Fiji	12734	12332	12135	13033	
Finland	1729897	1712000	1710000	1737000	1797000
France	26867000	27680000	28480000	29100000	29760000
French Polynesia	51908	55443	57684	59790	
Gabon	11082	15018	14967	29099	
Gambia	3573	3750	4000	4433	
Georgia	635644	681038	780810	862141	941479
Germany	30707429	31861900	33243300	34174900	35071539
Ghana	73132	86596	56810	62320	57465
Gibraltar	15577	16404	17373	19232	18970
Greece	3439034	3615029	3778268	3961864	4118113
Greenland	10000		12016	13192	14404
Grenada	19757	20821	22235	26987	25577
Guatemala	459847	506000	531000		
Guinea	1000	1100	1127	1213	1250
Guinea-Bissau	1051	886	853	1204	1227
Guyana	53687	57203	64889		
Haiti	1348	1348	29900	31100	
Honduras	197379	220386	238291	354861	390377
Hong Kong, China	2347833	2626028	2658068	2714679	2787835
Hungary	2718794	2814523	2956585	3079549	3189689
Source: ITU Data Base					

Table 12 - Fixed Broadband Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Iceland	124436	128023	133574	136556	138267
India	16942750	18653312	17856024	18170000	19749488
Indonesia	3983000	5227393	6215923	8874116	9411805
Iran (Islamic Republic of)	6608662	7608560	8599949	9806123	8626182
Iraq			4291911	4492328	
Ireland	1309467	1360204	1398798	1430160	1462549
Israel	2173000	2258000	2342000	2435000	2481000
Italy	14900171	15563279	16586376	17060505	17376499
Jamaica	228890	286068	239120	284756	317907
Japan	38872579	39805586	40532466	41496293	
Jordan	309726	297324	331925	399596	469978
Kazakhstan	2301000	2349900	2576100	2462900	2451400
Kenya	135107	132702	288303	371498	491183
Kiribati	117	66	76	84	68
Korea (Rep. of)	20024419	20555683	21195918	21285858	21906172
Kuwait	55000	101390	117719	103821	84595
Kyrgyzstan	211521	240873	258013	250612	269091
Lao P.D.R.	12316	24426	27217	45379	76280
Latvia	503503	519154	526222	525995	508894
Lebanon					420000
Lesotho	2062	2230	4821	5763	
Liberia	7000	8000	9000		
Libya	61000	168920	318000		
Liechtenstein	15696	15935	16253	16712	17251
Lithuania	833298	857761	798769	788743	791826
Luxembourg	195300	203100	214600	224300	230100
Macao, China	169939	177959	186000	193057	
Madagascar	23694	26385	25062	27211	
Malawi	5855	8692	10816	11358	11358
Malaysia	3063800	2718800	2687800	2696000	2964500
Maldives	23175	29309	36534	47065	52798
Mali	3499	21444	15400	120934	
Malta	163205	171263	181318	191833	199241
Marshall Islands	1000	1000	1000		
Mauritania	9638	11141	12637	13222	10815
Mauritius	197400	212600	246000	274200	
Mexico	14757686	15923971	17000482	18359028	19173373
Micronesia	3277	3169	3776		
Moldova	534393	557403	584330	623135	670530
Monaco	18354	18614	19258	19822	20476
Mongolia	208047	226147	285093	306150	317317
Montenegro	112394	114848	137426	159029	178781
Morocco	1147533	1255428	1378867	1552599	1751341
Source: ITU Data Base					

Table 12 - Fixed Broadband Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Mozambique	42570	46599	61641	70142	
Myanmar	32921	89686	111567	129050	
Namibia	70408	64343	65779	61968	63314
Nepal (Republic of)	302705	224184	503206	791961	
Netherlands	7029097	7222770	7289580	7406700	7459000
New Caledonia	55371				
New Zealand	1450900	1530500	1583000	1647000	
Nicaragua	116308	177024	210124	192413	216618
Niger	27188	7707	8650		
Nigeria	15688	107931	110834	73965	
North Macedonia	364421	381531	396295	427964	444356
Norway	2050460	2106975	2165221	2206519	
Oman	233234	284647	348926	422035	473070
Pakistan	1793199	1642805	1829673	1811365	1760870
Palau	1224				
Palestine	274500	320684	359872	364086	
Panama	316168	429931	441163	540220	574463
Papua New Guinea	15000	17000	18000		
Paraguay	215135	246660	290264	320700	
Peru	1999459	2120762	2310217	2536077	
Philippines	2900000	2985452	3399291	3919713	4178822
Poland	7265546	7327918	7630957	7851422	7797605
Portugal	3142188	3375597	3574638	3784684	3967687
Puerto Rico	704411	686851	660077	609027	609943
Qatar	237774	253718	256560	267906	284679
Romania	4262132	4449500	4753400	5087000	5277600
Russian Federation	26881463	27522702	31103235	32062780	33028695
Rwanda	21125	21721	21780	7501	8885
Saint Kitts and Nevis	16376	14178	29272	29272	
Saint Lucia	28426	29786	31828	32265	
Saint Vincent and the Grenadines	16960	21865	19273	24613	21585
Samoa	2084	2169	1692		
San Marino	11641	12000	10500	10858	11081
Sao Tome and Principe	1314	1425	1479	1557	1642
Saudi Arabia	6335557	6397541	6653291	6821873	6801949
Senegal	100611	98353	111795	129820	152047
Serbia	1320230	1450958	1480754	1552160	1622813
Seychelles	13420	14035	15221	19696	26979
Singapore	1486200	1591900	1475700	1493600	1498100
Slovakia	1273812	1336541	1404751	1507998	1585092
Slovenia	569026	589324	601820	612745	627936
<i>Source: ITU Data Base</i>					

Table 12 - Fixed Broadband Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Solomon Islands	1420	1639	1166	1488	1045
Somalia	82000	92000	98000		
South Africa	1409347	1150770	1123189	1107013	1250356
South Sudan	150	150	200	200	
Spain	13542906	14112657	14668212	15176954	15590305
Sri Lanka	625917	892184	1220504	1544313	
St. Helena	1337	1347	1000		
Sudan	28093	26376	30549	31352	
Suriname	52691	71217	71217	73176	80320
Sweden	3496240	3679768	3866353	3973622	3994475
Switzerland	3700563	3775916	3916720	3883878	3884000
Syrian Arab Republic	729261	1009614	1423070	1328688	1490344
Taiwan, Province of China	5656330	5686003	5713568	5725022	5831467
Tajikistan	6000	6000	6000		
Tanzania	106000	318474	763466	861234	1032667
Thailand	6229000	7219000	8208000	9189000	10108819
Timor-Leste	1028	662	656	603	600
Togo	66072	48763	50550	26156	31899
Tonga	2458	3000	3000	2519	3703
Trinidad and Tobago	278522	255579	326776	342200	344735
Tunisia	573977	640267	801785	1014395	1193359
Turkey	9504594	10499692	11924905	13407226	14231978
Turkmenistan	3000	4000	5000		
Tuvalu	450	450	450		
Uganda	80724	92115			
Ukraine	4978813	5125499	5239743	5405125	6784185
United Arab Emirates	1234447	1297585	2761830	3024565	3045957
United Kingdom	24686486	25445619	26043431	26586110	
United States	102212000	105714000	108199000	110865000	114093000
Uruguay	900933	921677	953281	977390	1012410
Uzbekistan	1787786	2746360	3320210	4123508	4597265
Vanuatu	4297	4386			
Venezuela	2589713	2613991	2607829	2604578	2561210
Viet Nam	7657619	9098288	11269936	12994451	14802380
Virgin Islands (US)	9000				
Wallis and Futuna	1000				
Yemen	395000	276219	369004	386330	
Zambia	23390	31784	35912	72228	88891
Zimbabwe	163987	170838	187310	203056	204424
Source: ITU Data Base					

Table 13 - Active Mobile-broadband Subscriptions

Country	2015	2016	2017	2018	2019
Afghanistan	1910178	4669379	5700205	6997208	7309797
Albania	1297281	1686354	2030978	1809996	1789158
Algeria	16319028	26679543	32392293	34480819	41325252
Andorra	34094	39001	42823	46544	
Angola	4015303	4025307	4354043	5820154	6740418
Antigua and Barbuda	31000	41000	48000		
Argentina	33051635		35436000		
Armenia	1204602	1611919	1957546	2239467	2445149
Australia	30260000	31544000	32980000	32268000	35900000
Austria	6031800	7585400	7698000	7820000	8093000
Azerbaijan	5856215	5466928	5579977	5929185	6235174
Bahamas	182685	200696	260587	314419	362303
Bahrain	1791892	2238233	2179162	1977618	1955121
Bangladesh	25189038	44110894	50581107	66607954	86066000
Barbados	157713	129094	129851	171803	121218
Belarus	5725126	6402258	7217531	8161012	
Belgium	6940277	7480397	8588776	8701058	10037211
Belize	42169	185404	142855	164730	171349
Benin	461027	881479	1346120	2273553	2532296
Bermuda		4218	6992		
Bhutan	362969	545788	705654	766768	762332
Bolivia (Plurinational State of)	3731487	6159837	8453103	9067332	
Bosnia and Herzegovina	1278989	1424634	1520424	1840808	1951830
Botswana	1389522	1409274	1532954	1749059	2045230
Brazil	180485766	183705670	188855115	184570501	196547148
British Virgin Islands	34951		30804	36648	
Brunei Darussalam	406613	505723	533191	557685	553891
Bulgaria	5782280	6232065	6487761	7122841	7392515
Burkina Faso	2738610	3661618	5531409	5907800	6441178
Burundi	817716	908849	1366625	1279019	1284907
Cabo Verde	353619	359056	381875	363419	420913
Cambodia	6710524	8000834	10703056	13458050	15898958
Cameroon	1000000	2462468	4263000	3537908	4867210
Canada	22033684	24972000	26433000	28323000	30675000
Central African Rep.	123769	160793	221001	248260	238650
Chad	187206		524758	612175	475818
Chile	10057395	12914417	15932876	17151624	18508001
China	777992000	973558000	1177694000	1334229000	1431340000
Colombia	20292707	22804101	23943998	25982322	29533312
Comoros	0	0	468998	498988	121787
Congo (Rep. of the)			309000		
Cook Islands			13000		

Source: ITU Data Base

Table 13 - Active Mobile-broadband Subscriptions (Contd.)

Country	2015	2016	2017	2018	2019
Costa Rica	4861898	4336034	4788964	5043509	4664073
Croatia	3111023	3253295	3337065	3302355	3390776
Cuba	0	0	0	1618435	2916253
Curacao	75000	90000	89426	81291	
Cyprus	638314	821694	904573	960997	1025827
Czech Republic	7759255	8530141	8705487	9383700	10070000
Côte d'Ivoire	8602170	10360734	13095386	15442012	17021159
Dem. People's Rep. of Korea	3240000	3606000	3810000		
Dem. Rep. of the Congo	6036970	10379977	13198592	13360051	16950021
Denmark	6659512	7008283	7424043	8052804	7966795
Djibouti	50000	103574	186526	197519	
Dominica	30670	29937	52152	67262	
Dominican Rep.	4219142	5300015	5922318	6463596	7216243
Ecuador	5693268	7690046	8807079	9342814	9335830
Egypt	42913302	45244164	48885371	53068763	59572831
El Salvador	1281428	2290773	3564505	3501385	
Equatorial Guinea	306		426	1846	
Estonia	1445845	1596030	1746443	1940928	2211088
Eswatini	160000	169150	179000		
Ethiopia	3630000	5353000	14788000		
Faroe Islands		42466	45009	48112	
Fiji	430000	488000	1173317	1303273	
Finland	7862900	7870000	8440000	8530000	8570000
France	48512000	52863000	56248000	59546000	62942000
French Polynesia	73895	135929	158957	182351	
Gabon	636492	1650289	1702144	1945827	
Gambia	265052	432138	568000	838210	
Georgia	2172352	2480634	2608041	2949482	3191375
Germany	58471000	63094865	65509168	68629783	72258346
Ghana	18031188	19746554	23551789	27312733	30006622
Gibraltar	10000	10000	33511	30066	32248
Greece	5078741	5947815	7074933	8563326	9463376
Greenland			2438	1911	1670
Grenada	30690	35250	36500	64690	
Guatemala	1637845	2309361	2783000		
Guinea	1719446			2958529	2958529
Guinea-Bissau	0	126172	157608	332162	705160
Guyana	1820	1850	204539		
Haiti	17000	1105681.7	3098128	3335050	
Honduras	1451692	1934419	2267184	3079981	2736106
Hong Kong, China	7840561	7706215	9368621	11456564	10478358
Hungary	4969565	5556505	6143518	6582271	6962473

Source: ITU Data Base

Table 13 - Active Mobile-broadband Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Iceland	314604	353903	388391	419600	436085
India	120030000	217355871	345013593	507190000	674655936
Indonesia	107518000	88551173	253488807	233269909	219762853
Iran (Islamic Republic of)	15913352	27170619	55341362	55794043	66533736
Iraq	1271100	6040620	12569022	15309376	
Ireland	4492682	4764610	4855407	4999569	5141816
Israel	6700000	7500000	8750000	9500000	9800000
Italy	50221401	50620475	52208461	54495633	57308868
Jamaica	1505356	1589325	1412217	1502313	1630742
Japan	162760922	167510000	230678859	245858569	
Jordan	6382679	6871087	8333881	8731760	7778770
Kazakhstan	12250900	13351900	13942600	14211000	14777000
Kenya	7112991	12546559	16926599	21543425	21595570
Kiribati			12572	14022	19172
Korea (Rep. of)	54562182	55713362	57490488	58139684	58858580
Kuwait	5175373	5764330	5264653	5422240	5544628
Kyrgyzstan	1768305	2672010	4454071	5927693	7887101
Lao P.D.R.	994165	2476768	2741535	2966380	3483779
Latvia	1362000	1504256	2264044	2511441	2532818
Lebanon	2916231	3182662	3118872	3103589	2934872
Lesotho	831194	791245	1084344	1243466	
Liberia	236000	463441	550000		
Libya	2006000	2229259	2353000		
Liechtenstein	41273	45004	47712	49269	50350
Lithuania	2028690	2294811	2307095	2760705	3011702
Luxembourg	477000	482000	514000	568000	
Macao, China	1896020	1969972	2047000	2181194	
Madagascar	2365321	2021552	3317073	4097391	
Malawi	2801024	3294000	4746592	4936394	5932491
Malaysia	27759100	28532500	35256600	36794500	40430900
Maldives	227820	264937	276873	287281	268843
Mali	3063186	4093548	5676760	5776730	
Malta	270097	326102	367427	373773	409995
Mauritania	975263	1451155	1350318	2331309	2513141
Mauritius	464200	650800	745900	827300	
Mexico	63919616	75073020	81103052	88290836	93211904
Moldova	1785149	1837689	2058713	2168174	2381083
Monaco	25695	28893	32840	32550	33652
Mongolia	2222112	2430289	2484543	2654190	3164673
Montenegro	361450	377007	418322	459327	505535
Morocco	13337087	15816896	20828576	21288359	23677204
<i>Source: ITU Data Base</i>					

Table 13 - Active Mobile-broadband Subscriptions (Contd.)

Country	2015	2016	2017	2018	2019
Mozambique	12188653	9447275	7621913	4444013	
Myanmar	18155742	29772375	47997232	49781606	
Namibia	856963	1611385	1412979	1796656	2248139
Nauru	2600	3700	4000		
Nepal (Republic of)	7500000	8850000	15348992	13350448	
Netherlands	13747048	15017000	15464000		
New Caledonia	29284				
New Zealand	5250000	4700000	4781000	5429000	
Nicaragua	451740	1443171	1888976	1207096	1176205
Niger	354000	409533	849630		
Nigeria	38448990	43278438	37915495	60087199	
North Macedonia	1129185	1189188	1266280	1348134	1455276
Norway	4909850	5012436	5188704	5294119	
Oman	3550166	4047014	4351583	4113348	5038782
Pakistan	24522297	38452981	48678779	62025795	76245320
Palestine	0	0		791100	
Panama	2801591	2387372	2866652	3305834	3771748
Papua New Guinea	463000	718580	917000		
Paraguay	3035655	3320667	3637144	4011225	
Peru	17145843	19575206	20646962		
Philippines	42330000	56606000	71983153		72646218
Poland	21931417	46857624	58829353	65110691	70387639
Portugal	5521656	6477160	7114834	7573471	8085113
Puerto Rico	1792240	2184408	2711183		2556360
Qatar	2832946	3595650	3358270	3503189	3535025
Romania	13739000	15860000	16600000	17140000	17360000
Russian Federation	101179679	106099085	1.19E+08	127200239	142063872
Rwanda	3216121	3446692	4274513	4799139	5341692
Saint Kitts and Nevis	39430	43120	36390	27041	
Saint Lucia	62190	68961	80708	77322	
Saint Vincent and the Grenadines	42669	54072	86659	59455	64315
Samoa	18613	43917	51096		
San Marino	34624	36570	44000	44000	44500
Sao Tome and Principe	35799	50884	69995	70788	73858
Saudi Arabia	33387589	23884592	29653287	37440539	40052293
Senegal	3953818	4013800	4267481	6678431	8840070
Serbia	5084699	5084699	5356416	5811317	6251916
Seychelles	17945	21330	71962	78178	89896
Sierra Leone	961740	1507024.8	1934000	948000	1152089
Singapore	8048000	8346000	8381900	8568400	9076700
Slovakia	3685683	4300524	4501833	4688623	5805979
Slovenia	995520	1284079	1456526	1613879	1747536

Source: ITU Data Base

Table 13 - Active Mobile-broadband Subscriptions (Contd.)					
Country	2015	2016	2017	2018	2019
Solomon Islands	66664	77100	114023	114249	128961
Somalia	180000	280000	358000		
South Africa	31809467	34065846	39684041	44780744	49494803
South Sudan	143911	140174	476501	658147	
Spain	39030914	41504722	43624037	45983207	48106957
Sri Lanka	3408408	8785961	11047013	13806934	
Sudan	11649027	10205026	12363261	13557437	16241123
Suriname	365000	264044	264044	242449	530191
Sweden	11835202	12140358	12142622	12660775	12671093
Switzerland	8400000	8448072	8376627	8471621	8510000
Syrian Arab Republic	2346737	2366874	2288283	2796552	1963365
Taiwan, Province of China	18698357	21318990	23602830	26326337	27283602
Tajikistan	1040000	1598000	2027000		
Tanzania	4700000	4965631	4965631	5124797	5679667
Thailand	59688000	63977000	55179000	58054000	60348000
Timor-Leste	440000	770780	435793	400850	400850
Togo	431661	1437425	2015858	2524282	3322213
Tonga	53220	60000	64000	67225	62104
Trinidad and Tobago	443707	637799	630617	565412	559195
Tunisia	6951493	7147378	7498523	8799186	9097464
Turkey	39067554	51736914	56944673	61092863	62407717
Turkmenistan	600000	771000	881000		
Uganda	7349540	8180501	10028847	14360847	
Ukraine	3413000	9652657	17386033	19907552	
United Arab Emirates	12536797	15284951	22882825	24081304	23438582
United Kingdom	55870842	54782461	58226029	66160380	
United States	375504000	409173000	431448000	473663000	
Uruguay	2665467	3508777	3361182	3415763	3378997
Uzbekistan	13069980	16814345	18959330	20251746	21931042
Vanuatu	50000	60000	125497	190449	
Venezuela	13449992	15950302	15717011	15751915	14701905
Viet Nam	35782223	43919045	44854554	68692261	69894517
Yemen	1494000	1578240	1667000		
Zambia	2140195	5156365	7723855	9825716	9121916
Zimbabwe	5872091	6722677	6824307	7460186	7569875
<i>Source: ITU Data Base</i>					

Table 14 - Indicator Definition

Indicator Name	Indicator Description	Indicator Definition
i112	Fixed-telephone subscriptions	Fixed-telephone subscriptions refers to the sum of active number of analogue fixed-telephone lines; voice-over-IP (VoIP) subscriptions; fixed wireless local loop (WLL) subscriptions; ISDN voice-channel equivalents and fixed public payphones.; This indicator was previously called Main telephone lines in operation.;
i271	Mobile-cellular telephone subscriptions; by postpaid/prepaid	Mobile-cellular telephone subscriptions refers to the number of subscriptions to a public mobile-telephone service that provide access to the PSTN using cellular technology. The indicator includes (and is split into) the number of postpaid subscriptions; and the number of active prepaid accounts (i.e. that have been used during the last three months). The indicator applies to all mobile-cellular subscriptions that offer voice communications. It excludes subscriptions via data cards or USB modems; subscriptions to public mobile data services; private trunked mobile radio; telepoint; radio paging and telemetry services.
i4213tfbb	Fixed-broadband subscriptions	Fixed-broadband subscriptions refers to fixed subscriptions to high-speed access to the public Internet (a TCP/IP connection); at downstream speeds equal to; or greater than; 256 kbit/s. This includes cable modem; DSL; fibre-to-the-home/building; other fixed (wired)-broadband subscriptions; satellite broadband and terrestrial fixed wireless broadband. This total is measured irrespective of the method of payment. It excludes subscriptions that have access to data communications (including the Internet) via mobile-cellular networks. It should include fixed WiMAX and any other fixed wireless technologies. It includes both residential subscriptions and subscriptions for organizations.
i271mw	Active mobile-broadband subscriptions	Active mobile-broadband subscriptions refers to the sum of standard mobile-broadband and dedicated mobile-broadband subscriptions to the public Internet. It covers actual subscribers; not potential subscribers; even though the latter may have broadband enabled-handsets.

Source: ITU Data Base

XI - Update (2020-21)

Table 1 - Summary of the telecom sector's performance

Parameter	April'20	May'20	June'20	July'20	August'20	September'20	October'20	November'20	December'20	January'21
Total Phones (in million)	1168.22	1163.58	1162.36	1165.56	1167.70	1168.50	1171.72	1175.22	1173.76	1183.38
Wireline (in million)	18.78	19.77	19.81	19.82	19.89	20.05	19.99	20.07	20.05	20.08
Wireless (in million)	1149.44	1143.81	1142.55	1145.74	1147.81	1148.45	1151.73	1155.15	1153.71	1163.30
Rural (inmillion)	522.00	525.56	523.53	525.37	524.75	524.08	524.18	526.40	525.64	529.92
Urban(in million)	646.22	638.02	638.83	640.19	642.95	644.42	647.54	648.82	648.12	653.46
Public (in million)	134.72	134.76	134.77	134.71	133.11	132.97	132.80	132.65	132.09	131.89
Private(in million)	1033.50	1028.82	1027.59	1030.85	1034.59	1035.53	1038.92	1042.57	1041.67	1051.49
Wireline %age to Total Phones	1.61	1.70	1.70	1.70	1.70	1.72	1.71	1.71	1.71	1.70
Wireless %age to Total Phones	98.39	98.30	98.30	98.30	98.30	98.28	98.29	98.29	98.29	98.30
Rural %age to Total Phones	44.68	45.17	45.04	45.07	44.94	44.85	44.74	44.79	44.78	44.78
Urban %age to Total Phones	55.32	54.83	54.96	54.93	55.06	55.15	55.26	55.21	55.22	55.22
Public %age to Total Phones	11.53	11.58	11.59	11.56	11.40	11.38	11.33	11.29	11.25	11.15
Private %age to Total Phones	88.47	88.42	88.41	88.44	88.60	88.62	88.67	88.71	88.75	88.85
Overall Teledensity (%age)	86.57	86.15	85.98	86.14	86.23	86.21	86.37	86.55	86.37	87.00
Wireline Teledensity (%age)	1.39	1.46	1.47	1.46	1.47	1.48	1.47	1.48	1.48	1.48
Wireless Teledensity (%age)	85.18	84.68	84.52	84.68	84.76	84.73	84.90	85.08	84.90	85.53
Rural Teledensity (%age)	58.78	59.15	58.89	59.07	58.97	58.87	58.85	59.08	58.96	59.42
Urban Teledensity (%age)	140.07	138.06	138.01	138.07	138.44	138.52	138.96	139.01	138.63	139.54
Public (%age)	9.98	9.98	9.97	9.96	9.83	9.81	9.79	9.77	9.72	9.70
Private (%age)	76.58	76.17	76.01	76.19	76.40	76.40	76.58	76.78	76.65	77.31
Broadband (in million)	676.14	683.77	698.23	705.41	716.19	726.33	734.83	742.07	747.40	757.61

Table 2 - Summary of the telecom service area-wise performance during 2020-21

Service Area	March'20	April'20	May'20	June'20	July'19	August'20	September'20	October'20	November'20	December'20	January'21
ANDHRA PRADESH	89071010	88329847	87914733	87664626	87747440	87877039	88315789	88534729	88854503	88995376	89422667
ASSAM	23720985	23625085	23496688	23599920	23602560	23742871	23756442	23858531	23994397	24172735	24406135
BIHAR	84882817	83634257	83961609	83848825	83682543	84402792	84473656	84579072	84854105	85104667	85648301
GUJARAT	68795414	67633631	67126020	67195439	67495914	68007790	67747626	68290377	68538581	68745851	69002926
HARYANA	27912497	27719208	27531387	27506776	27483715	27652418	27595641	27673054	27720499	27362244	27417578
HIMACHAL PRADESH	10888377	10842518	10784560	10830829	10907223	11028384	11001241	11035660	11065743	11143049	11242895
JAMMU & KASHMIR	11981508	11941080	11908060	11930385	11993396	11800188	11884190	11852280	11839826	11960104	12094077
KARNATAKA	69723665	69077009	68884330	68805760	68667440	68971953	69191678	69445733	69517445	69407681	69597565
KERALA	44975881	44603361	44752977	45086306	45304263	45725284	45463221	45532224	45810740	45976857	46070975
MADHYA PRADESH	75853270	75480096	75201048	75185837	75958588	75950126	76472290	76661067	77427971	76227873	76751128
MAHARASHTRA	94112503	92780602	92563331	92592081	92688193	93486246	93069202	93751660	94267349	94535189	94652172
NORTH-EAST	12113540	12007582	11971270	11973775	11974933	12022679	12088161	12160564	12233415	12314179	12441262
ORISSA	33532979	33324727	33242332	33176103	33298232	33477040	33509437	33518589	33555904	33720963	34060690
PUNJAB	39834984	39566329	39372192	39200978	39301854	39382218	39508617	39657189	39716331	38416046	38458745
RAJASTHAN	65984515	65471743	65107961	64845476	65086052	65383200	65637409	65580330	65555304	65631170	66088155
TAMIL NADU	83801347	83111811	82693003	82447482	82425426	81265670	81416679	81944704	82341568	82293246	82721101
UTTAR PRADESH - [East]	97123954	98312188	98271430	98270075	99694939	98292059	98140262	98228577	98508133	98981055	99653639
UTTAR PRADESH - [West]	63629734	63069092	62569875	62338977	62192250	62767320	62244044	62298175	62660896	62738146	66775706
WEST BENGAL	55238012	55242998	54834178	54986317	54819250	54669253	55065961	55041394	55021181	55108051	55462895
KOLKATA	26351958	26165604	26014606	26013609	26533704	26829045	26792101	26818648	26834342	26876843	26959670
DELHI	56577704	56005982	55566974	55327068	55480858	55583189	55856607	56117362	56260411	56040955	56511054
MUMBAI	40688011	40276261	39810072	39531122	39223914	39378855	39269202	39143103	38645497	38009714	37936866
TOTAL	1176794665	1168221011	1163578636	1162357766	1165562687	1167695619	1168499456	1.172E+09	1175224141	1173761994	1183376202

Source: DoT

Table 3 - Summary of the Internet Subscribers (Technology-wise) during 2020-21

Trends of Internet Subscribers (in million)

Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	March'20	June'20	September'20
	743.19	749.07	776.45
%age Quarterly Growth	3.40%	0.79%	3.66%

Internet Subscriber Base in India - September'20* (in million)

Segment	Wired	Wireless	Total Subscribers
Broadband	21.12	705.20	726.32
Narrowband	3.24	46.89	50.13
Total	24.36	752.09	776.45

* TRAI

Broadband Subscribers in India* (In million)

At the end of	Wired	Wireless	Total Subscribers
April'20	19.02	657.12	676.14
May'20	19.38	664.39	683.77
June'20	19.82	678.41	698.23
July'20	20.13	685.28	705.41
August'20	20.47	695.72	716.19
September'20	21.12	705.21	726.33
October'20	21.51	713.32	734.83
November'20	21.89	720.18	742.07
December'20	22.29	725.11	747.40

* TRAI

Table 4 - MOU per subscriber per month - Quarter Ending September 2020

MOU* per subscriber per month									
Circle Category	Postpaid			Prepaid			Blended		
	Outgoing	Incoming	Total	Outgoing	Incoming	Total	Outgoing	Incoming	Total
Circle A	389	348	738	355	349	704	357	349	706
Circle B	364	338	702	372	381	753	372	380	752
Circle C	407	406	814	429	455	884	428	453	881
Metro	303	248	551	441	411	852	420	386	806
All India	359	321	680	381	384	765	380	381	761

Source: TRAI, Quarterly Performance Indicator Report

* MOU indicates total usage i.e. usage from and outside HAS

Annexure – I**TERRITORIAL JURISDICTION OF LICENSED SERVICE AREA (LSAs) (TELECOM CIRCLES/
METROS)**

Sl. No.	LSA	Areas covered
1	West Bengal	Entire area falling within the Union Territory of Andaman & Nicobar Islands and area falling within the State of West Bengal and the State of Sikkim excluding the areas covered by Kolkata Metro LSA
2	Andhra Pradesh	Entire area falling within the State of Andhra Pradesh and Telangana.
3	Assam	Entire area falling within the State of Assam.
4	Bihar	Entire area falling within the State of Bihar and State of Jharkhand.
5	Gujarat	Entire area falling within the State of Gujarat and Union Territory of Daman and Diu, Silvassa (Dadra & Nagar Haveli).
6	Haryana	Entire area falling within the State of Haryana except Panchkula town and the local areas served by Faridabad and Gurgaon Telephone exchanges.
7	Himachal Pradesh	Entire area falling within the State of Himachal Pradesh
8	Jammu & Kashmir	Entire area falling within the Union Territory of Jammu & Kashmir and Union Territory of Ladakh.
9	Karnataka	Entire area falling within the State of Karnataka.
10	Kerala	Entire area falling within the State of Kerala and Union Territory of Lakshadweep and Minicoy.
11	Madhya Pradesh	Entire area falling within the State of Madhya Pradesh and the State of Chattisgarh.
12	Maharashtra	Entire area falling within the State of Maharashtra and Goa, excluding areas covered by Mumbai Metro LSA.
13	North East	Entire area falling within the States of Arunachal Pradesh, Meghalaya, Mizoram, Nagaland, Manipur and Tripura.
14	Odisha	Entire area falling within the State of Odisha.
15	Punjab	Entire area falling within the State of Punjab and Union territory of Chandigarh and Panchkula town of Haryana.
16	Rajasthan	Entire area falling within the State of Rajasthan.
17	Tamilnadu	Entire area falling within the State of Tamilnadu and Union Territory of Puducherry
18	Uttar Pradesh (West)	Entire area covered by Western Uttar Pradesh with the following as its boundary districts towards Eastern Uttar Pradesh: Pilibhit, Bareilly, Badaun, Kasganj (Kanshiram Nagar), Etah, Mainpuri, Etawah and Auraiya. It will exclude the local telephone area of Ghaziabad and Noida. However, it includes the State of Uttarakhand.
19	Uttar Pradesh (East)	Entire area covered by Eastern Uttar Pradesh with the following as its boundary districts towards Western Uttar Pradesh: Shahjahanpur, Kannauj, Farrukhabad, Lakhimpur, Kanpur Rural and Jalaun (Orai).
20	Delhi	Local Areas served by Delhi, Ghaziabad, Faridabad, Noida, and Gurgaon Telephone Exchanges.
21	Kolkata	Local Areas served by Kolkata Telephones of BSNL.
22	Mumbai	Local Areas served by Mumbai, New Mumbai and Kalyan Telephone Exchanges

NOTE:

1. Yanam, an area of Union Territory of Puducherry is served under Andhra Pradesh LSA in East Godavari LDCA.
2. The definition of Local Areas of exchanges will be as applicable to the existing cellular operators, i.e. at the time of grant of cellular licenses in Metro Cities in 1994-95.
3. The definition of local areas with regard to the above LSA as applicable to this license is as per definition applicable to Cellular Mobile Service Licenses as in the year 1994 and 1995, when those Licenses were granted to them. This is in accordance with respective Gazette Notification for such local areas wherever issued and as per the statutory definition under Rule 2 (w) Indian Telegraph Rules, 1951, as it stood during the year 1994/1995 where no specific Gazette Notification has been issued.
4. Erstwhile Chennai LSA and Tamilnadu (excluding Chennai) LSA as defined in UAS License, have been merged to make a single LSA namely Tamilnadu LSA. For Unified License, there will be Tamilnadu LSA as defined at Sl. No. 17 in the above List of LSAs.

<u>Annexure - II</u>			
Service Areas of Categories			
Category-A	Category-B	Category-C	Category-Metro
Andhra Pradesh	Haryana	Assam	Kolkata
Gujarat	Kerala	Bihar	Delhi
Karnataka	Madhya Pradesh	Himachal Pradesh	Mumbai
Maharashtra	Punjab	Jammu & Kashmir	
Tamil Nadu(incl. Chennai)	Rajasthan	North-East (NE)	
	UP(E)	Orissa	
	UP(W)		
	West Bengal		

जारीकर्ता: सांख्यिकी अनुभाग, दूरसंचार विभाग
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